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in the City of New York

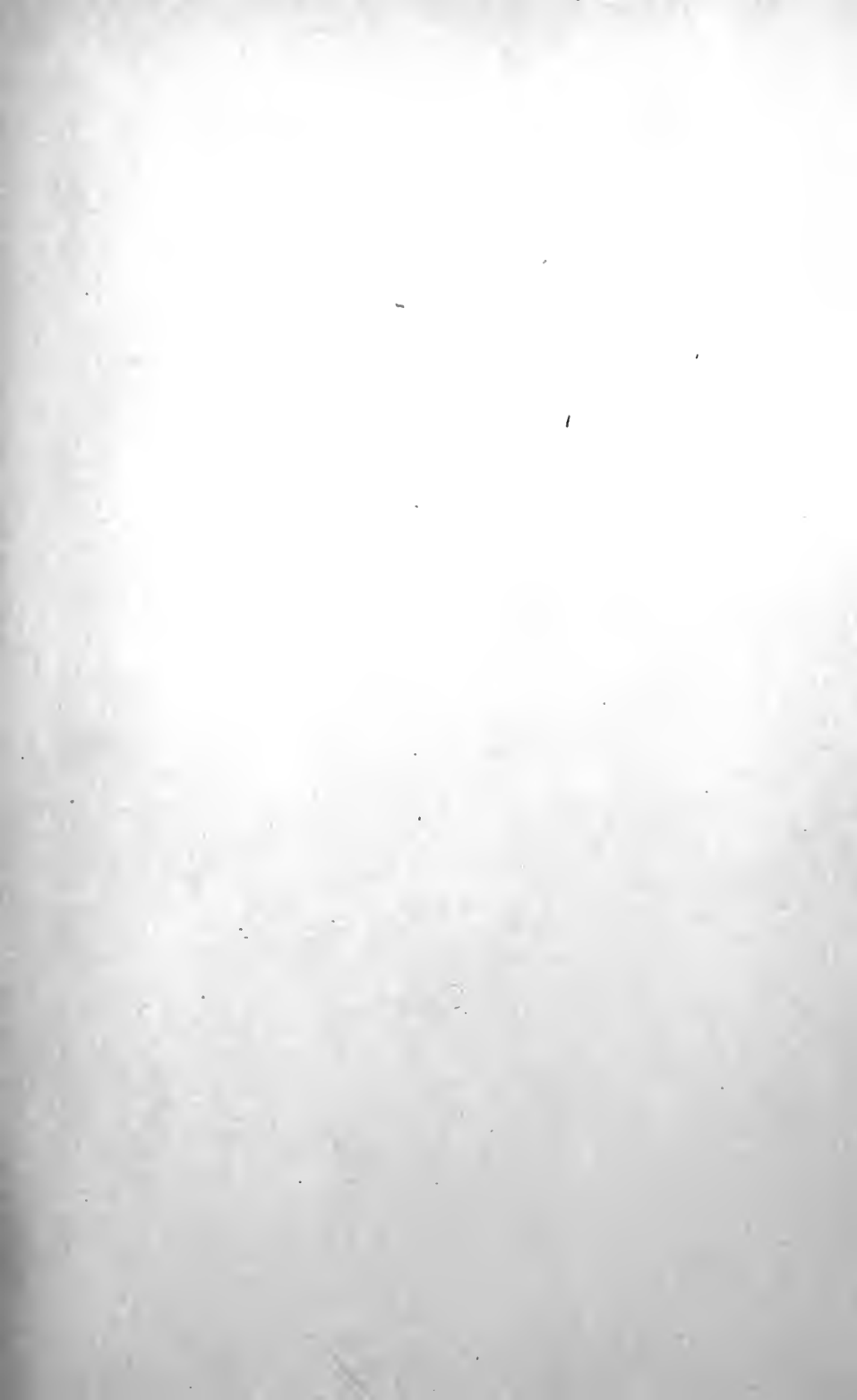
CATALOGUE

AND

GENERAL ANNOUNCEMENT

1908-1909

COLUMBIA
UNIVERSITY
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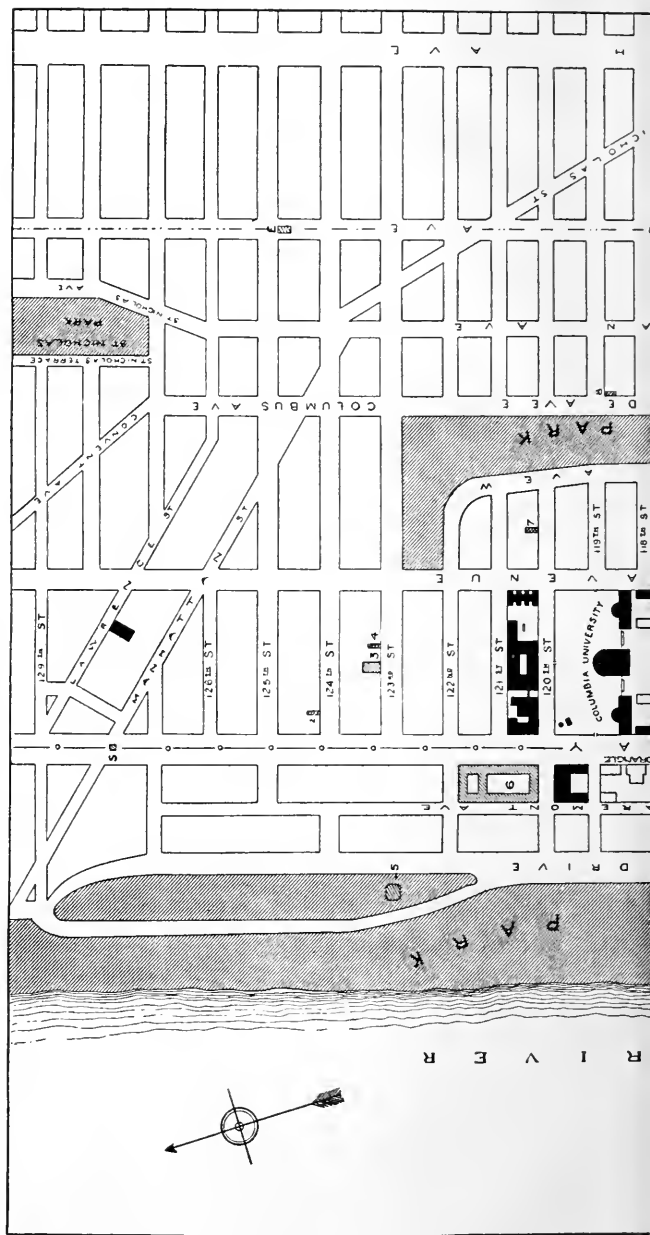
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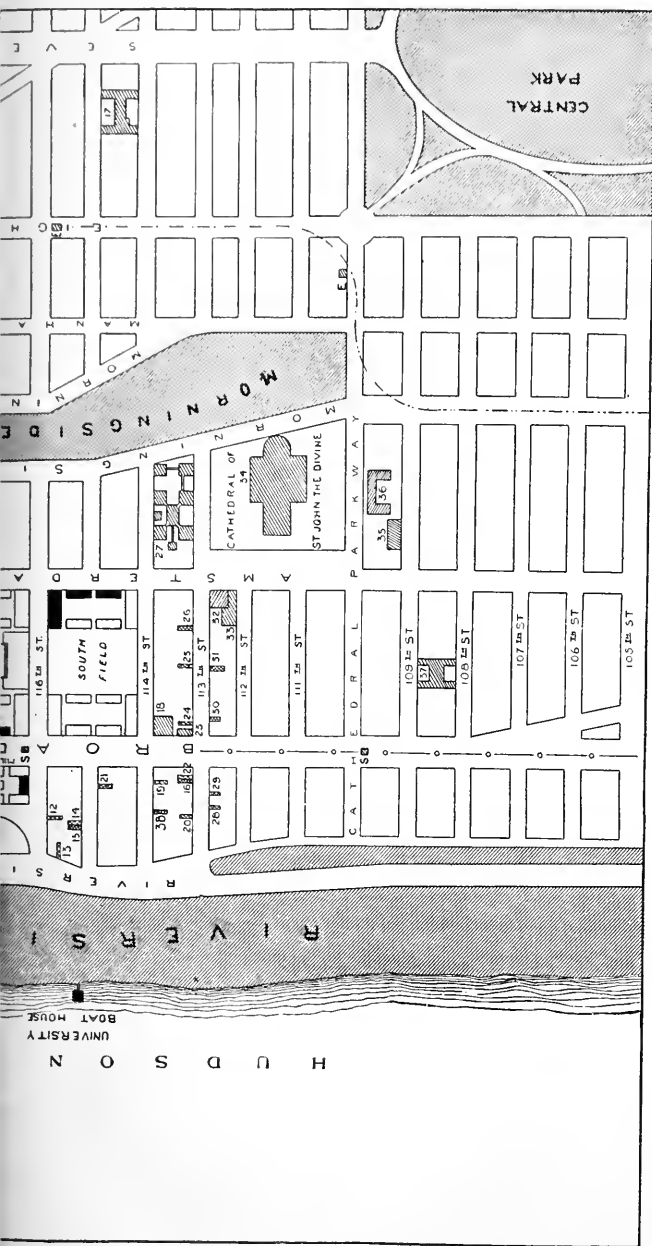
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1. Speyer School
2. Alpha Omicron Pi
3. Jewish Theological Seminary
4. Alpha Chi Rho
5. Grant's Mausoleum
6. Union Theological Seminary
7. Beta Phi
8. Gamma Phi Beta
9. Beta Theta Pi
10. Phi Sigma Kappa
11. Delta Tau Delta
12. Delta Phi
13. Delta Psi

14. Sigma Nu
15. Psi Upsilon
16. Alpha Tau Omega
17. Wadleigh High School
18. St. Luke's Home
19. Phi Gamma Delta
20. Theta Delta Chi
21. Zeta Psi
22. Theta Xi
23. Corn Exchange Bank (University Branch)
24. Phi Delta Theta
25. Sigma Alpha Epsilon
26. Phi Kappa Psi

27. St. Luke's Hospital
28. Alpha Delta Phi
29. Delta Kappa Epsilon
30. Delta Upsilon
31. Phi Kappa Sigma
32. City Water Works
33. Home for Destitute and Aged Couples
34. Crypt of Cathedral of St. John the Divine
35. National Academy of Design
36. Women's Hospital
37. Public School, No. 165
38. Sigma Chi

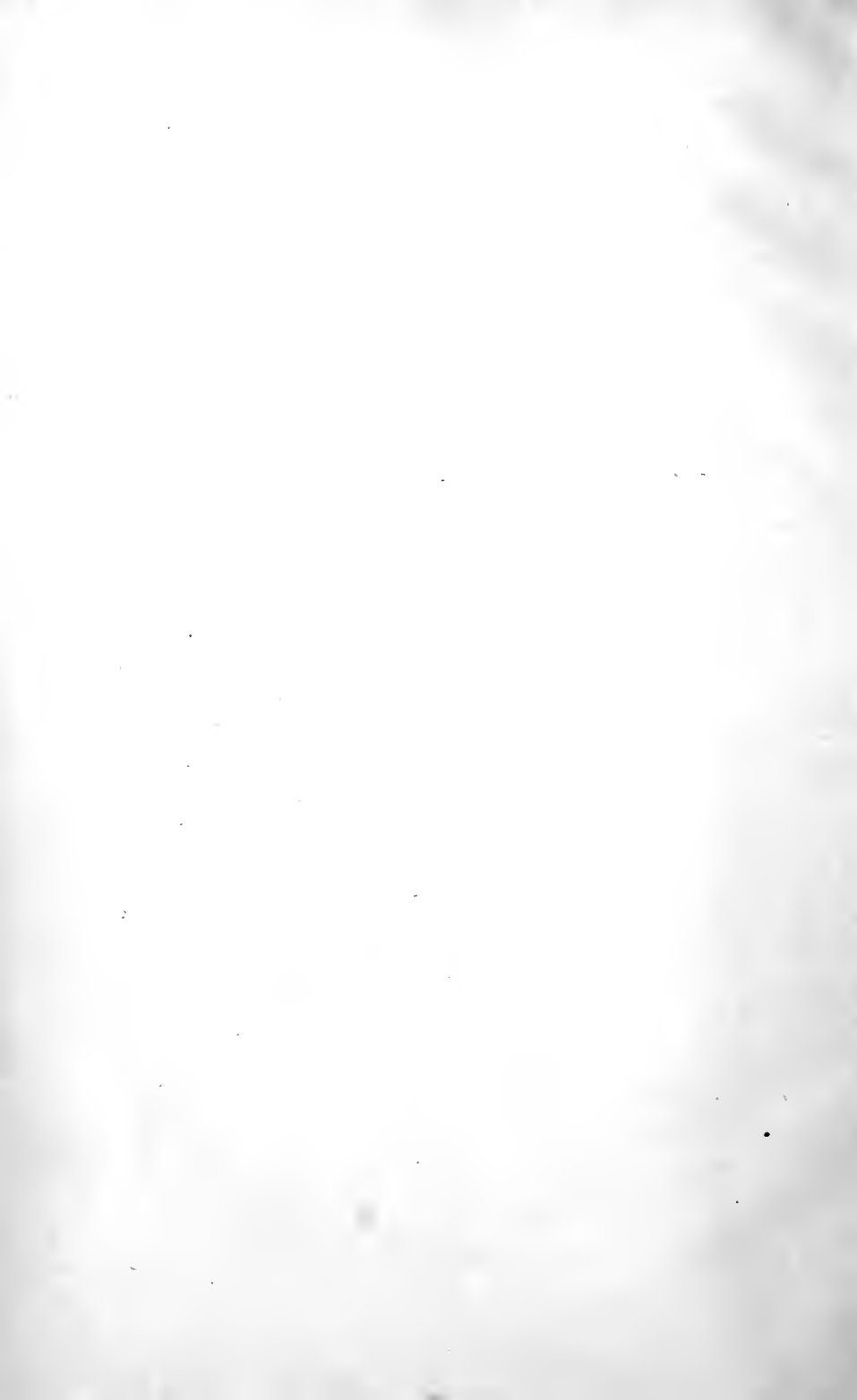




MAP OF NEW YORK In the Vicinity of COLUMBIA UNIVERSITY.

- COLUMBIA UNIVERSITY BUILDINGS
- PROPOSED UNIVERSITY BUILDINGS
- ▨ OTHER PUBLIC INSTITUTIONS
- SUBWAY STATIONS
- +— ELEVATED RAILWAY STATIONS
- ▤ STUDENTS' CLUB HOUSES







Columbia University
in the City of New York

CATALOGUE

AND

GENERAL ANNOUNCEMENT

1908-1909

FORM OF BEQUEST

To the Trustees of Columbia College in the City of New York I
give and bequeath the sum of \$ _____, to be used by said
Trustees for the uses and purposes of said Corporation.

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Assistant Secretary of the College of Pharmacy.

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FREDERICK ARTHUR GOETZE, M.Sc.

Secretary of Earl Hall

JAMES MYERS, A.B.

University Medical Visitor

D. STUART DODGE JESSUP, M.D.

Organist

FRANK E. WARD.

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¹ For Library Staff, see page 43.

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JAMES W. McLANE, M.D.....Emeritus Professor of Obstetrics
GEORGE H. BAKER, A.M.....Librarian Emeritus
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ABRAHAM JACOBI, M.D., LL.D..Emeritus Professor of the Diseases of
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HERMAN KNAPP, M.D.....Emeritus Professor of Ophthalmology
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WILLIAM T. BULL, M.D.....Emeritus Professor of Surgery
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College of Pharmacy
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(4)

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PRESIDENT OF THE UNIVERSITY

A.B., Columbia, 1882; A.M., 1883; Ph.D., 1884; LL.D., Syracuse, 1898; Tulane, 1901; Johns Hopkins, Princeton, Yale, and University of Pennsylvania, 1902; Chicago, 1903; Manchester and St. Andrew's, 1905; Cambridge, 1907; Williams, 1908; Litt.D., Oxford, 1905.

Professors

J. HOWARD VAN AMRINGE.....Professor of Mathematics
A.B., Columbia, 1860; A.M., 1863; L.H.D., 1890; Ph.D., University of the State of New York, 1877; LL.D., Union, 1895.

CHARLES F. CHANDLER.....Mitchill Professor of Chemistry
A.M., Ph.D., Göttingen, 1856; M.D., University of New York, 1873; LL.D., Union, 1873; Sc.D., Oxford, 1900.

JOHN W. BURGESS...Ruggles Professor of Political Science and Constitutional Law
A.B., Amherst, 1867; A.M., 1870; LL.D., 1884; Ph.D., Princeton, 1883.

HENRY S. MUNROE.....Professor of Mining
E.M., Columbia, 1869; Ph.D., 1876; Sc.D., 1904.

³ MUNROE SMITH.....Professor of Roman Law and Comparative Jurisprudence
A.B., Amherst, 1874; A.M., 1880; LL.B., Columbia, 1877; LL.D., 1904; J.U.D., Göttingen, 1880.

JOHN G. CURTIS.....Professor of Physiology
A.B., Harvard, 1866; A.M., 1869; M.D., Columbia, 1870; LL.D., 1904.

FRANK J. GOODNOW...Eaton Professor of Administrative Law and Municipal Science
A.B., Amherst, 1879; A.M., 1886; LL.B., Columbia, 1882, *cum laude*; LL.D., 1904.

RICHARD J. H. GOTTHEIL..Professor of Rabbinical Literature and the Semitic Languages
A.B., Columbia, 1881; Ph.D., Leipzig, 1886.

EDWIN R. A. SELIGMAN...McVickar Professor of Political Economy
A.B., Columbia, 1879; A.M., 1883; LL.B., 1884; Ph.D., 1884; LL.D., 1904.

HARRY THURSTON PECK...Anthon Professor of the Latin Language and Literature
A.B., Columbia, 1881; A.M., 1882; L.H.D., 1884; LL.D., 1904; Ph.D., Cumberland, 1883; LL.D., Alfred University, 1903.

WILLIAM HENRY CARPENTER..Villard Professor of Germanic Philology
A.B., Hamilton, 1881; Ph.D., Freiburg, 1881.

M. ALLEN STARR.....Professor of Neurology
A.B., Princeton, 1876; A.M., 1879; Ph.D., 1884; LL.D., 1899; M.D., Columbia, 1880; Sc.D., 1904.

ALFRED D. F. HAMLIN.....Professor of the History of Architecture
A.B., Amherst, 1875; A.M., 1885.

³ Absent on leave second half-year.

- ALFRED J. MOSES.....Professor of Mineralogy
E.M., Columbia 1882; Ph.D., 1890.
- GEORGE S. HUNTINGTON.....Professor of Anatomy
A.B., Trinity, 1881; A.M., 1884; M.D., Columbia, 1884; Sc.D., 1904; LL.D.,
Jefferson Medical College, 1907.
- HERBERT L. OSGOOD.....Professor of History
A.B., Amherst, 1877; A.M., 1880; LL.D., 1907; Ph.D., Columbia, 1889.
- ² J. McKEEN CATTELL.....Professor of Psychology
A.B., Lafayette, 1880; A.M., 1883; LL.D., 1907; Ph.D., Leipzig, 1886.
- FRANCIS M. BURDICK.....Dwight Professor of Law
A.B., Hamilton, 1869; LL.B., 1872; LL.D., 1895.
- GEORGE W. KIRCHWEY.....Kent Professor of Law
A.B., Yale, 1877; LL.D., Yale, University of Cincinnati, New York University,
1908.
- ¹ JOHN BASSETT MOORE.....Hamilton Fish Professor of International Law
and Diplomacy
A.B., Virginia, 1880; LL.D., Yale, 1901.
- HENRY FAIRFIELD OSBORN.....Da Costa Professor of Zoölogy
A.B., Princeton, 1877; Sc.D., 1880; LL.D., Trinity College (Hartford), 1901;
Princeton, 1902; Columbia, 1907; Sc.D., Cambridge, 1904.
- ³ EDWARD DELAVAN PERRY.....Jay Professor of Greek
A.B., Columbia, 1875; LL.D., 1904; A.M. and Ph.D., Tübingen, 1879.
- FRANK DEMPSTER SHERMAN.....Professor of Graphics
Ph.B., Columbia, 1884.
- WILLIAM A. DUNNING.....Lieber Professor of History and Political
Philosophy
A.B., Columbia, 1881; A.M., 1883; Ph.D., 1885; LL.D., 1904.
- ABRAHAM VALENTINE WILLIAMS JACKSON.....Professor of Indo-Iranian
Languages
A.B., Columbia, 1883; A.M., 1884; L.H.D., 1885; Ph.D., 1886; LL.D., 1904.
- ADOLPHE COHN.....Professor of the Romance Languages and Literatures
B. ès. L., Paris, 1868; LL.B., 1873; A.M., 1874.
- EDMUND B. WILSON.....Professor of Zoölogy
Ph.B., Yale, 1878; LL.D., 1901; Ph.D., Johns Hopkins, 1881; LL.D., 1902;
LL.D., Chicago, 1901.
- JAMES FURMAN KEMP.....Professor of Geology
A.B., Amherst, 1881; Sc.D., 1906; E.M., Columbia, 1884.
- ROBERT PEELE.....Professor of Mining
E.M., Columbia, 1883.
- WILLIAM HALLOCK.....Professor of Physics
A.B., Columbia, 1879; Ph.D., Würzburg, 1881; Phar.D., National College of
Pharmacy, 1892.
- ³ BRANDER MATTHEWS.....Professor of Dramatic Literature
A.B., Columbia, 1871; LL.B., 1873; A.M., 1874; LL.D., 1904; D.C.L., Univer-
sity of the South, 1899; Litt.D., Yale, 1901.
- FRANCIS B. CROCKER.....Professor of Electrical Engineering
E.M., Columbia, 1882; Ph.D., 1895.
- MICHAEL IDVORSKY PUPIN.....Professor of Electro-Mechanics
A.B., Columbia, 1883; Sc.D., 1904; Ph.D., Berlin, 1889.
- T. MITCHELL PRUDDEN.....Professor of Pathology
B.S., Yale, 1872; M.D., 1875; LL.D., 1896.

¹ Absent on leave 1908-9.² Absent on leave first half-year.³ Absent on leave second half-year.

- WILLIAM H. BURR.....Professor of Civil Engineering
C.E., Rensselaer Polytechnic, 1872.
- HENRY ALFRED TODD.....Professor of Romance Philology
A.B., Princeton, 1876; Ph.D., Johns Hopkins, 1885.
- GEORGE RICE CARPENTER.....Professor of Rhetoric and English
Composition
A.B., Harvard, 1886; D.C.L., University of the South, 1907.
- FRANKLIN HENRY GIDDINGS.....Professor of Sociology and the
History of Civilization
A.B., Union, 1877; A.M., 1889; Ph.D., 1897; LL.D., Oberlin, 1900.
- GEORGE F. CANFIELD.....Professor of Law
A.B., Harvard, 1875; LL.B., 1880.
- THOMAS SCOTT FISKE.....Professor of Mathematics
A.B., Columbia, 1885; A.M., 1886; Ph.D., 1888.
- HAROLD JACOBY.....Rutherford Professor of Astronomy
A.B., Columbia, 1885; Ph.D., 1895.
- JOHN B. CLARK.....Professor of Political Economy
A.B., Amherst, 1872; Ph.D., 1890; LL.D., 1897; LL.D., Princeton, 1896.
- JAMES RIGNALL WHEELER...Professor of Greek Archæology and Art
A.B., Vermont, 1880; Ph.D., Harvard, 1885.
- FRANK N. COLE.....Professor of Mathematics
A.B., Harvard, 1882; A.M. and Ph.D., 1886.
- JAMES HARVEY ROBINSON.....Professor of History
A.B., Harvard, 1887; A.M., 1888; Ph.D., Freiburg, 1890.
- FREDERIC S. LEE.....Professor of Physiology
A.B., St. Lawrence, 1878; A.M., 1881; Ph.D., Johns Hopkins, 1885.
- JAMES CHIDESTER EGBERT.....Professor of Latin
A.B., Columbia, 1881; A.M., 1882; Ph.D., 1884.
- CALVIN THOMAS...Gebhard Professor of the Germanic Languages and
Literatures
A.B., Michigan, 1874; A.M., 1877; LL.D., 1904.
- EDWIN B. CRAGIN.....Professor of Obstetrics and Gynecology
A.B., Yale, 1882; A.M. (Hon.), 1907; M.D., Columbia, 1886.
- * CARLO LEONARDO SPERANZA.....Professor of Italian
Licenziato del Liceo di Padova, 1861; J.D., Padua, 1866; A.M., Columbia, 1887.
- BASHFORD DEAN.....Professor of Vertebrate Zoölogy
A.B., College of the City of New York, 1886; A.M., Columbia, 1889; Ph.D., 1890.
- WILLIAM MILLIGAN SLOANE.....Seth Low Professor of History
A.B., Columbia, 1868; L.H.D., 1887; A.M. and Ph.D., Leipzig, 1876; LL.D.,
Rutgers, 1898; Princeton, 1903.
- HENRY MARION HOWE.....Professor of Metallurgy
B.S., Harvard, 1869; A.M., 1872; LL.D., 1905; B.S., Mass. Institute of
Technology, 1871; LL.D., Lehigh, 1905; LL.D., Harvard, 1905.
- CHARLES E. PELLEW.....Adjunct Professor of Chemistry
E.M., Columbia, 1884.
- EARL B. LOVELL.....Professor of Civil Engineering
C.E., Cornell, 1891.
- FRANZ BOAS.....Professor of Anthropology
Ph.D., Kiel, 1881.

³ Absent on leave second half-year.

- JAMES HULME CANFIELD.....Librarian of the University
A.B., Williams, 1868; A.M., 1877; LL.D., 1893; Litt.D., Oxford, 1902.
- JOHN FRANCIS WOODHULL..Professor of Physical Science in Teachers
College
A.B., Yale, 1880; Ph.D., Columbia, 1899.
- FRANKLIN THOMAS BAKER....Professor of the English Language and
Literature in Teachers College
A.B., Dickinson, 1885; A.M., 1889; Litt.D., 1908; A.M., Columbia, 1900.
- RICHARD ELWOOD DODGE.....Professor of Geography
in Teachers College
A.B., Harvard, 1890; A.M., 1894.
- VIRGIL PRETTYMAN.....Principal of Horace Mann High School
with rank of Adjunct Professor in Teachers
College
A.B., Dickinson, 1892; A.M., 1895; Pd.D., 1905.
- JAMES EARL RUSSELL.....Barnard Professor of Education
A.B., Cornell, 1887; Ph.D., Leipzig, 1894; LL.D., Dickinson, 1903.
- HELEN KINNE.....Professor of Domestic Science in Teachers College
- MRS. MARY SCHENCK WOOLMAN. Professor of Domestic Art in Teachers
College
- ¹FRANK M. McMURRY.....Professor of Elementary Education in
Teachers College
Ph.D., Jena, 1889.
- PAUL MONROE....Professor of the History of Education in Teachers
College
B.S., Franklin, 1890; M.S., 1895; Ph.D., Chicago, 1897.
- SAMUEL TRAIN DUTTON.....Professor of School Administration in
Teachers College
A.B., Yale, 1873; A.M., 1900.
- WILLIAM P. TRENT.....Professor of English Literature
M.A., Virginia, 1884; LL.D., Wake Forest, 1899; D.C.L., University of the
South, 1905
- HERBERT G. LORD.....Professor of Philosophy
A.B., Amherst, 1871; A.M., 1900.
- NELSON GLENN MCCREA.....Professor of Latin
A.B., Columbia, 1885; A.M., 1886; Ph.D., 1888.
- GONZALEZ LODGE...Professor of Latin and Greek in Teachers College
A.B., Johns Hopkins, 1883; Ph.D., 1886; LL.D., Franklin and Marshall, 1901.
- CLARENCE H. YOUNG.....Professor of Greek
A.B., Columbia, 1888; A.M., 1889; Ph.D., 1891.
- LIVINGSTON FARRAND.....Professor of Anthropology
A.B., Princeton, 1888; A.M., 1891; M.D., Columbia, 1891.
- GEORGE FRANCIS SEVER.....Professor of Electrical Engineering
M.Sc., Columbia, 1905.
- JAMES MACLAY.....Professor of Mathematics
C.E., Columbia, 1888; Ph.D., 1899.
- MARSTON TAYLOR BOGERT.....Professor of Organic Chemistry
A.B., Columbia, 1890; Ph.B., 1894.

¹ Absent on leave 1908-9.

- J. LIVINGSTON RUTGERS MORGAN.....Professor of Physical
Chemistry
B.S., Rutgers, 1892; A.M. and Ph.D., Leipzig, 1895.
- HENRY E. CRAMPTON.....Professor of Zoölogy
A.B., Columbia, 1893; Ph.D., 1899.
- ² EDWARD LEE THORNDIKE...Professor of Educational Psychology in
Teachers College
A.B., Wesleyan, 1895; A.B., Harvard, 1896; A.M., 1897; Ph.D., Columbia, 1898.
- CHARLES HUBERT FARNSWORTH.....Adjunct Professor of Music in
Teachers College
- HENRY S. REDFIELD.....Nash Professor of Law
A.B., Amherst, 1877; A.M., 1887; LL.D., 1901.
- DAVID EUGENE SMITH...Professor of Mathematics in Teachers College
Ph.B., Syracuse, 1881; Ph.M., 1884; Ph.D., 1887; LL.D., 1905; M.Pd.,
Michigan State Normal, 1898.
- THOMAS DENISON WOOD.....Professor of Physical Education
A.B., Oberlin, 1888; A.M., 1891; M.D., Columbia, 1891.
- CHARLES THADDEUS TERRY.....Professor of Law
A.B., Williams, 1889; LL.B., Columbia, 1893.
- WALTER B. JAMES.....Bard Professor of the Practice of Medicine
A.B., Yale, 1879; M.D., Columbia, 1883; LL.D., 1904; A.M. (Hon.), Yale, 1906.
- WILLIAM J. GIES.....Professor of Biological Chemistry
B.S., Pennsylvania College, 1893; M.S., 1896; Ph.B., Yale, 1894; Ph.D., 1897.
- WILLIAM T. BREWSTER.....Professor of English
A.B., Harvard, 1892; A.M., 1893.
- GEORGE CLINTON DENSMORE ODELL.....Professor of English
A.B., Columbia, 1889; A.M., 1890; Ph.D., 1893.
- CHARLES KNAPP.....Professor of Classical Philology
A.B., Columbia, 1887; A.M., 1888; Ph.D., 1890.
- L. EMMETT HOLT...Carpentier Professor of the Diseases of Children
A.B., Rochester, 1875; A.M., 1878; M.D., Columbia, 1880; Sc.D., 1904.
- AMADEUS W. GRABAU.....Professor of Palæontology
S.B., Massachusetts Institute of Technology, 1896; S.M., Harvard, 1898; S.D.,
1900.
- ¹ HENRY ROGERS SEAGER.....Professor of Political Economy
Ph.B., Michigan, 1890; Ph.D., Pennsylvania, 1894.
- HENRY L. MOORE.....Professor of Political Economy
A.B., Randolph-Macon, 1892; Ph.D., Johns Hopkins, 1896.
- JOHN DYNELEY PRINCE.....Professor of Semitic Languages
A.B., Columbia, 1888; Ph.D., Johns Hopkins, 1892.
- FREDERICK JAMES EUGENE WOODBRIDGE.....Johnsonian Professor
of Philosophy
A.B., Amherst, 1889; A.M., 1898; LL.D., 1903.
- FRIEDRICH HIRTH.....Dean Lung Professor of Chinese
A.M. and Ph.D., Rostock, 1860.
- ¹ FELIX ADLER...Professor of Social and Political Ethics and Theodore
Roosevelt Professor of American History and
Institutions in the University of Berlin for the
year 1908-09
A.B., Columbia, 1870; Ph.D., Heidelberg, 1873.

¹ Absent on leave 1908-9.² Absent on leave first half-year.

- JULIUS SACHS**.....Professor of Secondary Education in Teachers College
A.B., Columbia, 1867; A.M., 1871; Ph.D., Rostock, 1871.
- RALPH EDWARD MAYER**....Adjunct Professor of Mechanical Drawing
C.E., Columbia, 1879.
- IRA H. WOOLSON**.....Adjunct Professor of Civil Engineering
E.M., Columbia, 1885.
- HERBERT MAULE RICHARDS**.....Professor of Botany
B.S., Harvard, 1892; Sc.D., 1895.
- GARY N. CALKINS**.....Professor of Protozoölogy
B.S., Massachusetts Institute of Technology, 1890; Ph.D., Columbia, 1898.
- PHILIP HANSON HISS, Jr.**.....Professor of Bacteriology
A.B., Johns Hopkins, 1891; M.D., Columbia, 1895.
- MARGARET E. MALTBY**.....Adjunct Professor of Physics in Barnard College
A.B., Oberlin, 1882; A.M., 1891; B.S., Massachusetts Institute of Technology, 1891; Ph.D., Göttingen, 1895.
- CASSIUS JACKSON KEYSER**.....Adrain Professor of Mathematics
B.S., Missouri, 1892; A.M., Columbia, 1896; Ph.D., 1901.
- HERSCHEL C. PARKER**.....Adjunct Professor of Physics
Ph.B., Columbia, 1890.
- CHARLES AUGUSTUS STRONG**.....Professor of Psychology
A.B., Rochester, 1884; A.B., Harvard, 1885.
- MARSHALL H. SAVILLE**....Loubat Professor of American Archæology
- GEORGE L. MEYLAN**....Adjunct Professor of Physical Education and Medical Director of the Gymnasium
M.D., New York University, 1896; B.S., Harvard, 1902; A.M., Columbia, 1904.
- ERNEST F. NICHOLS**.....Professor of Experimental Physics
B.S., Kansas Agricultural College, 1888; M.S., Cornell, 1893; Sc.D., 1897; Sc.D., Dartmouth, 1903.
- CHRISTIAN A. HERTER**..Professor of Pharmacology and Therapeutics
M.D., Columbia, 1885.
- ELIJAH WILLIAM BAGSTER-COLLINS**..Adjunct Professor of German in Teachers College
A.B., Brown, 1897; A.M., Columbia, 1898.
- MAURICE A. BIGELOW**....Professor of Biology in Teachers College
B.S., Ohio Wesleyan, 1894; M.S., Northwestern, 1896; Ph.D., Harvard, 1901.
- FREDERICK H. SYKES**.....Director of Extension Teaching and Professor in Teachers College
A.B., Toronto, 1885; A.M., 1886; Ph.D., Johns Hopkins, 1894.
- HENRY CARR PEARSON**.....Principal of Horace Mann Elementary School with rank of Adjunct Professor in Teachers College
A.B., Harvard, 1892.
- JOSEPH A. BLAKE**.....Professor of Surgery
A.B., Yale, 1885; Ph.B., 1886; M.D., Columbia, 1889.
- SAMUEL W. LAMBERT**.....Professor of Applied Therapeutics
A.B., Yale, 1880; Ph.B., 1882; A.M., 1905; M.D., Columbia, 1885.
- GEORGE E. BREWER**.....Professor of Clinical Surgery
A.B., Hamilton, 1881; A.M., 1882; M.D., Buffalo, 1884; M.D., Harvard, 1885.

¹ Absent on leave 1908-9.

- VIRGIL P. GIBNEY.....Professor of Orthopædic Surgery
A.B., Kentucky, 1869; A.M., 1872; LL.D., 1899; M.D., Bellevue, 1871.
- WILLIAM K. SIMPSON.....Professor of Laryngology
M.D., Columbia, 1880.
- ARNOLD H. KNAPP.....Professor of Ophthalmology
A.B., Harvard, 1889; M.D., Columbia, 1892.
- GORHAM BACON.....Professor of Otology
A.B., Harvard, 1875; M.D., Bellevue, 1878.
- JAMES R. HAYDEN.....Professor of Genito-Urinary Diseases
M.D., Columbia, 1884
- EUGENE HODENPYL.....Adjunct Professor of Pathology
M.D., Columbia, 1885.
- HERMANN T. VULTÉ.....Adjunct Professor of Domestic Science in
Teachers College
Ph.B., Columbia, 1881; Ph.D., 1885.
- FRANCIS CARTER WOOD.....Professor of Clinical Pathology
B.S., Ohio State, 1891; M.D., Columbia, 1894.
- LEA MCILVAINE LUQUER.....Adjunct Professor of Mineralogy
C.E., Columbia, 1887; Ph.D., 1894.
- LOUIS AUGUSTE LOISEAUX.....Adjunct Professor of the Romance
Languages and Literatures
B.S., Dijon, 1894.
- WILLIAM ADDISON HERVEY.....Adjunct Professor of the Germanic
Languages and Literatures
A.B., Columbia, 1893; A.M., 1894.
- FREDERICK R. BAILEY.....Adjunct Professor of Histology and
Embryology
A.B., Princeton, 1892; A.M., 1893; M.D., Columbia, 1895.
- RUDOLF TOMBO, Jr....Adjunct Professor of the Germanic Languages
and Literatures
B.S., College of the City of New York, 1895; M.S., 1899; A.M., Columbia, 1898;
Ph.D., 1901.
- BRADLEY STOUGHTON.....Adjunct Professor of Metallurgy
Ph.B., Yale, 1893; B.S., Massachusetts Institute of Technology, 1896.
- JOHN ANGUS MACVANNEL.....Professor of the Philosophy of
Education in Teachers College
A.B., Toronto, 1893; A.M., 1894; Ph.D., Columbia, 1898.
- RUSSELL BURTON-OPITZ.....Adjunct Professor of Physiology
M.D., Chicago, 1895; B.S., 1898; M.S., 1902; Ph.D., 1905.
- LEONARD BEECHER MCWHOOD.....Adjunct Professor of Music
A.B., Columbia, 1893.
- JOEL ELIAS SPINGARN...Adjunct Professor of Comparative Literature
A.B., Columbia, 1895; Ph.D., 1899.
- *GEORGE N. OLCOTT.....Adjunct Professor of Latin
A.B., Columbia, 1893; Ph.D., 1899.
- THOMAS HUNT MORGAN.....Professor of Experimental Zoölogy
B.S., State College of Kentucky, 1886; Ph.D., Johns Hopkins, 1891.
- ¹GEORGE STUART FULLERTON.....Professor of Philosophy
B.A., Pennsylvania, 1879; M.A., 1882; B.D., Yale, 1883; Ph.D., Muhlenburg,
1892; LL.D., 1900.

¹ Absent on leave 1908-9.³ Absent on leave second half-year.

- JEFFERSON B. FLETCHER.....Professor of Comparative Literature
A.B., Harvard, 1887; A.M., 1889.
- HARRY McMAHON PAINTER.....Professor of Clinical Obstetrics
A.B., Yale, 1884; Ph.B., 1885; M.D., Columbia, 1888.
- CHARLES LANE POOR.....Professor of Astronomy
B.S., College of the City of New York, 1886; M.S., 1890; Ph.D., Johns Hopkins,
1892.
- CORNELIUS RÜBNER.....Professor of Music
- ARTHUR WESLEY DOW....Professor of Fine Arts in Teachers College
- JOHN DEWEY.....Professor of Philosophy
A.B., Vermont, 1879; Ph.D., Johns Hopkins, 1884; LL.D., University of
Wisconsin, 1904.
- HENRY H. RUSBY.....Professor of Materia Medica in the College
of Pharmacy
M.D., University Medical College of New York, 1884.
- VIRGIL COBLENTZ.....Professor of Chemistry in the College of
Pharmacy
A.B., Wittenberg, 1880; Ph.G., Philadelphia College of Pharmacy, 1882;
Phar M., 1894; A.M., Ph.D., University of Berlin, 1891.
- GEORGE C. DIEKMAN.....Professor of Pharmacy in the College of
Pharmacy
Ph.G., New York College of Pharmacy, 1888; M.D., Columbia, 1891.
- JOHN OEHLER.....Adjunct Professor of Chemistry in the College
of Pharmacy
Ph.G., New York College of Pharmacy, 1879.
- JAMES S. C. WELLS.....Adjunct Professor of Analytical Chemistry
Ph.B., Columbia, 1875; Ph.D., 1877.
- ¹ JOSEPH C. PFISTER.....Adjunct Professor of Mechanics
A.B., Columbia, 1889; A.M., 1890.
- HENRY CLAPP SHERMAN.....Professor of Organic Analysis
B.S., Maryland Agricultural College, 1893; A.M., Columbia, 1896; Ph.D., 1897.
- ² WILLIAM ROBERT SHEPHERD.....Professor of History
A.B., Columbia, 1893; A.M., 1894; Ph.D., 1896.
- FRANK LEO TUFTS.....Adjunct Professor of Physics
B.S., Antioch, 1891; A.B., Harvard, 1894; A.M., Columbia, 1896; Ph.D., 1897.
- JAMES T. SHOTWELL.....Professor of History
A.B., Toronto, 1898; Ph.D., Columbia, 1903.
- GEORGE W. BOTSFORD.....Adjunct Professor of History
A.B., Nebraska, 1884; A.M., 1889; Ph.D., Cornell, 1891.
- ALBERT P. WILLS.....Adjunct Professor of Mechanics
B.E.E., Tufts, 1894; Ph.D., Clark, 1897.
- ROBERT SESSIONS WOODWORTH.....Adjunct Professor of Psychology
A.B., Amherst, 1891; A.B., Harvard, 1896; A.M., 1897; Ph.D., Columbia, 1899.
- BERN B. GALLAUDET.....Adjunct Professor of Anatomy and
Associate in Clinical Surgery
A.B., Trinity, 1880; A.M., 1883; M.D., Columbia, 1884.
- SAMUEL A. TUCKER.....Adjunct Professor of Electro-Chemistry
Ph.B., Columbia, 1895.
- HENRY BEDINGER MITCHELL.....Professor of Mathematics
E.E., Columbia, 1898; A.M., 1900.

¹ Absent on leave 1908-9.² Absent on leave first half-year

- VLADIMIR G. SIMKHOVITCHAdjunct Professor of Economic History
Ph.D., Halle-Wittenberg, 1898.
- EDWARD THOMAS DEVINESchiß Professor of Social Economy
B.A., Cornell College, Iowa, 1887; M.A., 1890; LL.D. 1904; Ph.D., Pennsylvania, 1895.
- HERMON C. BUMPUSDirector of the American Museum of
Natural History
B.A., Brown, 1884; Ph.D., Clark, 1890.
- CHARLES F. MCKIMDirector of Atelier
Litt.D., Columbia, 1904
- THOMAS HASTINGSDirector of Atelier
Diplomé de l'École des Beaux-Arts, 1884.
- FRANK W. JACKSONProfessor of Clinical Medicine
A.B., Yale, 1876; M.D., Columbia, 1879.
- ADOLPH BLACKAdjunct Professor of Civil Engineering
C.E., Columbia, 1894.
- JOHN HENRY LARKINAdjunct Professor of Pathology
A.B., Manhattan, 1891; M.D., Columbia, 1894.
- CHARLES EDWARD LUCKEProfessor of Mechanical Engineering
B.S., College of the City of New York, 1895; M.S., New York University, 1899;
Ph.D., Columbia, 1902.
- EDWARD KASNERAdjunct Professor of Mathematics
B.S., College of the City of New York, 1896; A.M., Columbia, 1897; Ph.D., 1899.
- CURTIS HIDDEN PAGEProfessor of the Romance Languages
and Literatures
A.B., Harvard, 1890; A.M., 1891; Ph.D., 1894.
- ASHLEY HORACE THORNDIKEProfessor of English
A.B., Wesleyan, 1893; A.M., Harvard, 1896; Ph.D., 1898.
- WALTER RAUTENSTRAUCHProfessor of Mechanical Engineering
B.S., University of Missouri, 1902; M.S., University of Maine, 1903.
- HENRY JOHNSONProfessor of History in Teachers College
B.L., University of Minnesota, 1889; A.M., Columbia, 1902.
- DAVID SAMUEL SNEDDENAdjunct Professor of Educational
Administration in Teachers College
A.B., St. Vincent's College, 1890; A.B., Leland Stanford Junior University,
1897; A.M., Columbia, 1901; Ph.D., 1907.
- MARY ADELAIDE NUTTINGProfessor of Domestic Administration
in Teachers College
- EDWARD R. SMITHReference Librarian, Avery Architectural
Library
A.B., Amherst, 1876.
- FREDERICK DIELMAN, N.A.President of the National Academy
of Design
- SIR CASPAR PURDON CLARKEDirector of the Metropolitan
Museum of Art
- EDWARD ROBINSONAssistant Director of the Metropolitan
Museum of Art
A.B. Harvard, 1879; LL.D., University of Aberdeen, 1905.

- NATHANIEL LORD BRITTON Director of the New York Botanical Garden
E.M., Columbia, 1879; Ph.D., 1881; Sc.D., 1904.
- ANTON VORISEK Professor of Analytical Chemistry in the College of Pharmacy
Phar.G., New York College of Pharmacy, 1898; Phar.D., 1902.
- FREDERICK ARTHUR GOETZE Dean of the Faculty of Applied Science and Consulting Engineer
M.Sc., Columbia, 1905.
- FREDERICK PETERSON Professor of Psychiatry
M.D., Buffalo, 1879; Ph.D., Niagara, 1893.
- JAMES D. VOORHEES Adjunct Professor of Obstetrics
A.B., Princeton, 1890; A.M., 1893; M.D., Columbia, 1893.
- ROYAL WHITMAN Adjunct Professor of Orthopædic Surgery
M.D., Harvard, 1882.
- PEARCE BAILEY Adjunct Professor of Neurology
A.B., Princeton, 1886; A.M., 1889; M.D., Columbia, 1889.
- GEORGE R. LOCKWOOD Adjunct Professor of Clinical Medicine
A.B., College of the City of New York, 1881; M.D., Columbia, 1884.
- WILLIAM K. DRAPER Adjunct Professor of Clinical Medicine
A.B., Harvard, 1885; M.D., Columbia, 1888.
- VAN HORNE NORRIE Adjunct Professor of Clinical Medicine
A.B., Columbia, 1885; M.D., 1889.
- DANIEL JORDAN Adjunct Professor of the Romance Languages and Literatures
B.S., University of France, 1888; Pd.B., University of the State of New York, 1893.
- ARTHUR F. J. REMY Adjunct Professor of Germanic Philology
A.B., College of the City of New York, 1890; A.M., Columbia, 1897; Ph.D., 1901.
- WILLIAM CAMPBELL Adjunct Professor of Metallography
B.S., Durham College of Science, 1898; Sc.D., 1905; M.Sc., Royal School of Mines, 1903; Ph.D., Columbia, 1903; A.M., 1905.
- WILLIAM PEPPERRELL MONTAGUE Adjunct Professor of Philosophy
A.B., Harvard, 1896; A.M., 1897; Ph.D., 1898.
- WILLIAM W. LAWRENCE Adjunct Professor of English
A.B., Bowdoin College, 1898; A.M., Harvard, 1900; Ph.D., 1903.
- JAMES HOWARD MCGREGOR Adjunct Professor of Zoölogy
B.S., Ohio State, 1894; A.M., Columbia, 1896; Ph.D., 1899.
- CHARLES A. BEARD Adjunct Professor of Politics
Ph.B., De Pauw University, 1898; A.M., Columbia, 1903; Ph.D., 1904.
- DICKINSON S. MILLER Professor of Philosophy
A.B. and A.M., Harvard, 1892; Ph.D., Halle, 1893.
- GRACE A. HUBBARD Adjunct Professor of English in Barnard College
A.B., Smith, 1887; A.M., Cornell, 1893.
- NATHAN ABBOTT Professor of Law
A.B., Yale, 1877; LL.B., Boston University, 1893.
- SIMON BARUCH Professor of Hydrotherapy
M.D., University of Virginia, 1862.
- HARRY A. CUSHING Professor of Law
A.B., Amherst, 1891; A.M., Columbia, 1894; Ph.D., 1896; LL.B., 1901.

- SAMUEL McCUNE LINDSAY.....Professor of Social Legislation
Ph.B., University of Pennsylvania, 1889; Ph.D., Halle, 1892.
- WILLIAM MANSFIELD, Phar.D.....Professor of Pharmacognosy in the
College of Pharmacy
- MRS. MARY K. SIMKHOVITCH....Adjunct Professor of Social Economy
in Barnard College
B.A., Boston University, 1890.
- GEORGE D. STRAYER.....Adjunct Professor of Elementary Education
in Teachers College
A.B., Johns Hopkins, 1903; Ph.D., Columbia, 1905.
- HENRY SUZZALLO.....Adjunct Professor of Elementary Education
in Teachers College
A.B., Stanford, 1899; A.M., Columbia, 1902; Ph.D., 1905.
- MABEL F. WEEKS....Adjunct Professor of English in Barnard College
A.B., Radcliffe, 1894.
- CLINTON B. KNAPP.....Professor of Bacteriology in the College of
Pharmacy
M.D., Columbia, 1902.
- HERMANN VON W. SCHULTE.....Adjunct Professor of Anatomy
A.B., Trinity, 1897; M.D., Columbia, 1902
- RICHARD C. MACLAURIN.....Professor of Mathematical Physics
M.A., Auckland University College; LL.M., Cambridge University; LL.D.
- GEORGE T. JACKSON.....Professor of Dermatology
M.D., Columbia, 1878.
- KENYON COX, N.A.....Professor of Painting
- DANIEL CHESTER FRENCH, N.A.....Professor of Sculpture
A.M., Dartmouth.
- JOHN LA FARGE, N.A.....Professor of the Decorative Arts
- EDWARD LAWRENCE KURTZ.....Adjunct Professor of Mining
E.M., Columbia, 1893.
- CARLTON CLARENCE CURTIS.....Adjunct Professor of Botany
A.B., Syracuse, 1889; Ph.D., 1893; A.M., Columbia, 1892.
- S. ALFRED MITCHELL.....Adjunct Professor of Astronomy
A.M., Queen's, 1894; Ph.D., Johns Hopkins, 1898.
- WILLIAM R. WILLIAMS.....Adjunct Professor of Pharmacology
and Therapeutics
A.B., Williams, 1889; A.M., 1892; M.D., Columbia, 1895.
- ARTHUR L. WALKER.....Professor of Metallurgy
E.M., Columbia, 1883.
- ALBRECHT F. K. PENCK, Ph.D.. Kaiser Wilhelm Professor of German
History and Institutions for the year 1908-09
Professor of Geography and Director of the Geographical Institute at the
University of Berlin.
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Special Lecturer for 1908-09

- SAMUEL W. MCCALL, A.B.,.....Lecturer on the George
Blumenthal Foundation

Clinical Professors

- FRANCIS P. KINNICUTT.....Professor of Clinical Medicine
A.B., Harvard, 1868; A.M., 1872; M.D., Columbia, 1871.
- FRANK HARTLEY.....Professor of Clinical Surgery
A.B., Princeton, 1877; M.D., Columbia, 1880.
- JOHN S. THACHER.....Professor of Clinical Medicine
A.B., Yale, 1877; M.D., Columbia, 1880.
- WALTER F. CHAPPELL.....Professor of Clinical Laryngology
M.D., University of Toronto, 1879.
- ANDREW J. MCCOSH.....Professor of Clinical Surgery
A.B., Princeton, 1877; A.M., 1880; M.D., Columbia, 1880; LL.D., 1904.
- PORTER F. CHAMBERS.....Professor of Clinical Gynecology
M.D., Bellevue Hospital Medical College, 1876.
- FRANCIS HUBER.....Professor of Clinical Medicine
B.S., College of the City of New York, 1873; M.D., College of Physicians and Surgeons, 1877.
- ALEXANDER B. JOHNSON.....Professor of Clinical Surgery
Ph.B., Yale, 1882; M.D., Columbia, 1885.
- ROBERT LEWIS, JR.....Professor of Clinical Otology
M.D., Columbia, 1885.

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Associates

- CHARLES T. POORE.....Associate in Clinical Surgery
M.D., Columbia, 1866; A.M., Williams, 1891.
- ROBERT ABBE.....Associate in Clinical Surgery
A.B., College of the City of New York, 1870; M.D., Columbia, 1874.
- WILLIAM B. COLEY.....Associate in Clinical Surgery
A.B., Yale, 1884; M.D., Harvard, 1888.
- LUCIUS W. HOTCHKISS.....Associate in Clinical Surgery
A.B., Columbia, 1881; M.D., 1884.
- JOHN B. WALKER.....Associate in Clinical Surgery
A.B., Harvard, 1884; M.D., 1888.
- FRANK R. OASTLER.....Chief of Clinic and Associate in Gynecology
A.B., Yale, 1891; M.D., Columbia, 1894.
- CHARLES N. DOWD.....Associate in Clinical Surgery
A.B., Williams, 1879; A.M., 1883; M.D., Columbia, 1886.
- LINNAEUS EDFORD LA FETRA.....Chief of Clinic and Associate in
Diseases of Children
A.B., Wesleyan, 1891; M.D., Columbia, 1894.
- FRANK S. MATHEWS.....Associate in Gynecology
B.S., Washington and Jefferson College, 1890; M.D., Columbia, 1893.
- AUGUSTUS B. WADSWORTH.....Associate in Bacteriology
B.S., Massachusetts Institute of Technology, 1893; M.D., Columbia, 1896.
- WALTER A. BASTEDO....Associate in Pharmacology and Therapeutics
Ph.G., New York College of Pharmacy, 1894; M.D., Columbia, 1899.
- WILLIAM C. CLARKE.....Associate in Surgery
M.D., Columbia, 1899.
- JOHN W. DRAPER MAURY.....Associate in Surgery
M.D., New York University, 1898.

- HENRY S. PATTERSON.....Chief of Clinic and Associate in Applied
Therapeutics
A.B., Williams, 1896; M.D., Columbia, 1900.
- NELLIS B. FOSTER.....Associate in Biological Chemistry and Assistant
in Applied Therapeutics
M.D., Johns Hopkins, 1902.
- LINSLEY RUDD WILLIAMS....Chief of Clinic and Associate in Medicine
A.B., Princeton, 1895; M.D., A.M., Columbia, 1899.
- THEODORE C. JANEWAY.....Associate in Clinical Medicine
Ph.B., Yale, 1892; M.D., Columbia, 1895.
- WILLIAM DARRACH.....Associate in Anatomy and Instructor in
Clinical Surgery
A.B., Yale, 1897; M.D., A.M., Columbia, 1901.
- FREDERICK T. VAN BEUREN.....Associate in Anatomy and Assistant
in Surgery
A.B., Yale, 1898; M.D., Columbia, 1902.
- DAVID BOVAIRD, Jr.....Associate in Medicine
A.B., Princeton, 1889; M.D., Columbia, 1892.
- EVAN M. EVANS.....Associate in Medicine
B.S., Princeton, 1892; M.D., Columbia, 1895.
- EDMUND L. DOW.....Associate in Medicine
B.S., M.S., Syracuse, 1892; M.D., Columbia, 1895.
- GEORGE J. BAYLES.....Associate in Ecclesiology
A.B., Columbia, 1891; A.M., 1892; LL.B., 1893; Ph.D., 1895.
- FELLOWES DAVIS, Jr.....Associate in Clinical Obstetrics
M.D., Columbia, 1899.
- CHARLES H. PECK.....Associate in Clinical Surgery
M.D., Columbia, 1892.
- JAMES M. DODGE.....Associate in Mechanical Engineering
- CHARLES BUXTON GOING.....Associate in Mechanical Engineering
Ph.B., Columbia, 1882.

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Instructors

Note—For the Instructors and other Officers not of Professorial Grade in Teachers College, in the College of Pharmacy, and in the Summer Session, see the Table of Contents.

- CHARLES A. HARRIMAN.....Instructor in Architecture
- EDWARD LEAMING, M.D.....Instructor in Photography
- GEORGE MONTAGUE SWIFT, M.D.....Instructor in Clinical Medicine
- RICHARD FROTHINGHAM, M.D.....Instructor in Laryngology
- CHARLES CONRAD SLEFFEL..Instructor in Forging in Teachers College
- CHARLES W. WEICK, B.S.....Instructor in Wood-working and
Pattern-making in Teachers College
- WALTON MARTIN, M.D.....Instructor in Clinical Surgery
- ALBERT E. SUMNER, M.D.....Instructor in Medicine
- E. MILTON FOOTE, M.D.....Instructor in Clinical Surgery
- ALFRED S. TAYLOR, M.D.....Instructor in Surgery
- ARTHUR M. SHRADY, M.D.....Chief of Clinic and Instructor in
Hydrotherapy

RICHARD H. CUNNINGHAM, M.D.	Chief of Clinic and Instructor in Neurology
HENRY WOOLFE BERG, M.D.	Instructor in Diseases of Children
CHARLES C. TROWBRIDGE, M.S., Sc.D.	Instructor in Physics
NORMAN E. DITMAN, M.D.	Instructor in Pathology
A. EMIL SCHMITT, M.D.	Instructor in Surgery
WARD A. HOLDEN, M.D.	Chief of Clinic and Instructor in Ophthalmology
HOWARD C. TAYLOR, M.D.	Instructor in Clinical Gynecology
HENRY H. TYSON, M.D.	Instructor in Ophthalmology
CLARENCE A. MCWILLIAMS, M.D.	Instructor in Clinical Surgery
ADRIAN VAN SINDEREN LAMBERT, M.D.	Chief of Clinic and Instructor in Surgery
ADAM M. MILLER, A.M.	Instructor in Histology and Embryology
EUGENE HILLHOUSE POOL, M.D.	Instructor in Clinical Surgery
OLIVER S. STRONG, Ph.D.	Instructor in Histology and Embryology
MARIE REIMER, Ph.D.	Instructor in Chemistry in Barnard College
JAMES C. AYER, M.D.	Instructor in Clinical Surgery
GEORGE SLOAN DIXON, M.D.	Chief of Clinic and Instructor in Otology
T. STUART HART, M.D.	Instructor in Medicine
JOHN HOWLAND, M.D.	Instructor in Diseases of Children
JAMES A. MILLER, M.D.	Instructor in Clinical Medicine
CHARLES J. PROBEN, M.D.	Instructor in Gynecology
GEORGE H. RYDER, M.D.	Instructor in Gynecology
WILLIAM SKARSTROM, M.D.	Instructor in Physical Education
SAMUEL W. THURBER, M.D.	Chief of Clinic and Instructor in Laryngology
PERCY R. TURNURE, M.D.	Instructor in Clinical Surgery
¹ HENRY BARGY, A.M.	Instructor in the Romance Languages and Literatures
GEORGE H. LING, Ph.D.	Instructor in Mathematics
NATHANIEL B. POTTER, M.D.	Instructor in Clinical Medicine
FRED. P. SOLLEY, M.D.	Instructor in Medicine
GEORGE BRAXTON PEGRAM, Ph.D.	Instructor in Physics
GERTRUDE M. HIRST, Ph.D.	Instructor in Classical Philology in Barnard College
ROWLAND COX, M.D.	Instructor in Surgery
JAMES H. KENYON, M.D.	Instructor in Surgery
CHARLES P. WARREN, A.M.	Instructor in Architecture
WILHELM ALFRED BRAUN, Ph.D.	Instructor in the Germanic Languages and Literatures
MORTON ARENDT, E.E.	Instructor in Electrical Engineering
LEWIS F. FRISSELL, M.D.	Instructor in Medicine

¹ Resigned December 1, 1908.

WALTER S. REYNOLDS, M.D.	Chief of Clinic and Instructor in Genito-Urinary Diseases
CHARLES H. JAEGER, M.D.	Chief of Clinic and Instructor in Orthopædic Surgery
JOHN DRISCOLL FITZ-GERALD, II, Ph.D.	Instructor in the Romance Languages and Literatures
EVERETT J. HALL	Instructor in Assaying
TRACY ELLIOT HAZEN, Ph.D.	Instructor in Botany
BERGEN DAVIS, Ph.D.	Instructor in Physics
CHARLES P. BERKEY, Ph.D.	Instructor in Geology
FLOYD J. METZGER, Ph.D.	Instructor in Analytical Chemistry
KARL M. VOGEL, M.D.	Instructor in Pathology
HOWARD D. COLLINS, M.D.	Instructor in Clinical Surgery
GEORGE H. MCFARLAND, Jr., M.D.	Instructor in Obstetrics
RAYMOND C. OSBURN, Ph.D.	Instructor in Zoölogy
HARRY L. PARR, A.B., Mech.E.	Instructor in Mechanical Engineering
T. LAURANCE SAUNDERS, M.D.	Instructor in Otology
HARMON SMITH, M.D.	Instructor in Clinical Laryngology
LEWIS H. HAIGHT	Instructor in Shop-Work in Teachers College
JOHN H. P. HODGSON, M.D.	Chief of Clinic and Instructor in Dermatology
SAMUEL OSGOOD MILLER, C.E.	Instructor in Drawing
FRANK S. MEARA, M.D.	Instructor in Diseases of Children
EDWARD F. KERN, B.S., Ph.D.	Instructor in Metallurgy
D. STUART DODGE JESSUP, M.D.	Instructor in Clinical Pathology and Assistant in Medicine
HANS ZINSSER, A.M., M.D.	Instructor in Bacteriology and Hygiene
JAMES I. RUSSELL, M.D.	Instructor in Surgery
WILLIAM BLANCARD, M.D.	Instructor in Genito-Urinary Diseases
MATTHEW STEEL, M.S., Ph.D.	Instructor in Biological Chemistry
EDWARD KNIGHT JUDD, A.B., E.M.	Instructor in Mining
ARCHIBALD E. OLPP, A.C., M.D.	Instructor in Biological Chemistry
ARTHUR S. VOSBURGH, M.D.	Instructor in Surgery
PERCY HERBERT WILLIAMS, M.D.	Instructor in Gynecology

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Demonstrators

HAVEN EMERSON, M.D.	Demonstrator of Physiology and Assistant in Clinical Medicine
LEANDER H. SHEARER, M.D.	Demonstrator of Physiology and Assistant in Medicine
ARTHUR WALKER BINGHAM, A.B., M.D.	Demonstrator of Phy- siology and Assistant in Diseases of Children

CHARLES RUSSELL LOWELL PUTNAM, M.D....Demonstrator of Anatomy
 HARRY M. KEATOR, M.D.....Demonstrator of Physiology
 EUGENE L. OPIE, M.D.....Demonstrator of Pathology
 FREDERICK B. HUMPHREYS, M.D.....Demonstrator of Pathology
 FREDERICK TILNEY, A.B., M.D.....Demonstrator of Anatomy
 ALWIN M. PAPPENHEIMER, A.B., M.D.....Demonstrator of Pathology

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Tutors

CAVALIER HARGRAVE JOÛET, Ph.D....Tutor in Analytical Chemistry
 THOMAS H. HARRINGTON, C.E.....Tutor in Drawing
 ARTHUR COLON NEISH, Ph.D.....Tutor in Chemistry
 CHARLES H. ELLARD, A.M.....Tutor in Analytical Chemistry
 HAL T. BEANS, Ph.D.....Tutor in Analytical Chemistry
 ROSCOE GUERNSEY, Ph.D.....Tutor in Greek
 HENRI F. MULLER, B. ès L....Tutor in the Romance Languages and
 Literatures
 ELEANOR KELLER, A.B.....Tutor in Chemistry in Barnard College
 MAURICE A. LAMME, B.S.....Tutor in Mineralogy
 FREDERICK W. J. HEUSER, A.M.....Tutor in the Germanic
 Languages and Literatures
 ARTHUR RAY MAXSON, A.M.....Tutor in Mathematics
 IDA HELEN OGILVIE, Ph.D.....Tutor in Geology in Barnard College
¹ MARGARET A. REED, A.B....Tutor in Zoölogy in Barnard College
 ALVAN A. TENNEY, Ph.D.....Tutor in Sociology
 T. LESLIE SHEAR, Ph.D.....Tutor in Classical Philology
 LEWIS P. SICLOFF, A.B.....Tutor in Mathematics
 HAROLD C. BROWN, Ph.D.....Tutor in Philosophy
 PAULINE HAMILTON DEDERER, A.M....Tutor in Zoölogy in Barnard
 College
 ALEXANDER O. BECHERT, A.M.....Tutor in the Germanic Languages
 and Literatures
 MARION E. LATHAM, A.M.....Tutor in Botany in Barnard College
 CHARLES E. MORRISON, C.E., A.M.....Tutor in Civil Engineering
 OTTO KRESS, B.S., A.M.....Tutor in Chemistry
 ALLEN W. PORTERFIELD, A.M.....Tutor in the Germanic Languages
 and Literatures
 EDGAR H. STURTEVANT, Ph.D.....Tutor in Classical Philology
 KAUFMAN G. FALK, Ph.D.....Tutor in Physics
 WILLIAM C. KRATHWOHL, A.B.....Tutor in Mathematics
 DINO BIGONGIARI, A.B.....Tutor in the Romance Languages and
 Literatures
 JOHN L. GERIG, Ph.D.....Tutor in the Romance Languages and
 Literatures

¹ Absent on leave 1908-9.

ALLAN F. WESTCOTT, A.M.	Tutor in English
MAUDE A. HUTTMANN, A.M.	Tutor in History in Barnard College
CHESTER A. DARLING, A.M.	Tutor in Botany
GRACE LANGFORD, S.B.	Tutor in Physics in Barnard College
BAYARD BOYESEN, A.B.	Tutor in English
JOHN W. TAYLOR, A.M.	Tutor in English
WILLIAM F. COOLEY, M.S., B.D.	Tutor in Philosophy
STANLEY F. BOND, E.E.	Tutor in Electrical Engineering
HARRISON R. STEEVES, A.M.	Tutor in English
CHARLES W. THOMAS, Mech. E.	Tutor in Mechanical Engineering
JOHN MAURICE NELSON, Ph.D.	Tutor in Organic Chemistry

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Lecturers and other Special Officers of Instruction

ABRAHAM YOHANNAN, Ph.D.	Lecturer in Oriental Languages
ALEXIS A. JULIEN, Ph.D.	Curator in Geology
ERNST D. RICHARD, Ph.D.	Lecturer on the History of German Civilization
CHARLES FORBES, M.D.	Curator in Physics
CLARK WISSLER, Ph.D.	Lecturer in Anthropology
ADOLPH F. BANDELIER	Lecturer in American Archæology
JOHN V. VAN PELT, Diplômé E.D. B.-A.	Associate Director of Atelier
ALGERNON DE V. TASSIN, A.M.	Lecturer in English
MYRON SAMUEL FALK, Ph.D.	Lecturer in Civil Engineering
WENDELL T. BUSH, Ph.D.	Lecturer in Philosophy
WILLIAM ADAMS DELANO, A.B.	Associate Director of Atelier
GOLDTHWAITE H. DORR, A.B., LL.B.	Lecturer in Law
FRANCIS A. NELSON, B.S., Diplômé E.D. B.-A.	Lecturer in Architecture
CARLTON HUNTLEY HAYES, A.M.	Lecturer in History
WILLIAM S. DAY, Ph.D.	Lecturer in Physics
WILLIAM K. GREGORY, A.M.	Lecturer in Zoölogy
EUGENE E. AGGER, Ph.D.	Lecturer in Political Economy
ROBERT E. CHADDOCK, Ph.D.	Lecturer in Political Economy
HAROLD S. DAVIDSON, Ph.D.	Gustav Gottheil Lecturer in Semitic Languages
HERBERT H. WOODROW, A.B.	Lecturer in Psychology
HARVEY WILEY CORBETT, B.S., Diplômé E.D. B.-A.	Associate Director of Atelier
GEORGE WINFIELD SCOTT, Ph.D.	Lecturer on International Law
LEIGHTON B. MORSE, Ph.D.	Lecturer in Physics
VIRGINIA C. GILDERSLEEVE, Ph.D.	Lecturer in English in Barnard College
ELIHU C. CHURCH, C.E.	Lecturer in Civil Engineering

HARRY MORGAN AYRES, Ph.D.....	Lecturer in English
CHARLES U. CARPENTER, E.E., Mech.E....	Lecturer in Mechanical Engineering
WILLIAM W. DAVIS, A.M.....	Lecturer in History
CHARLES DAY, M.E.....	Lecturer in Mechanical Engineering
LOUIS DOELLING.....	Lecturer in Mechanical Engineering
HARRINGTON EMERSON, M.A.....	Lecturer in Mechanical Engineering
JAMES NEWTON GUNN.....	Lecturer in Mechanical Engineering
HENRY HESS.....	Lecturer in Mechanical Engineering
RICHARD T. LINGLEY.....	Lecturer in Mechanical Engineering
FRED. J. MILLER.....	Lecturer in Mechanical Engineering
FRED. W. O'NEIL.....	Lecturer in Mechanical Engineering
FRED. OPHULS, M.E.....	Lecturer in Mechanical Engineering
WALTER BOWERS PILLSBURY, Ph.D.....	Non-Resident Lecturer in Psychology
HUGH M. WHARTON.....	Lecturer in Mechanical Engineering
WILLIAM P. WHITE.....	Lecturer in Mechanical Engineering
THOMAS W. LUDLOW, B.S., A.M.....	Lecturer in Architecture
CHRISTIAN K. F. HÜLSEN, Ph.D....	Lecturer in Roman Archæology
HENRI VIZIER, A.M.....	Lecturer in the Romance Languages and Literatures

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Assistants

FLORA E. HARPHAM, A.M.....	Computer at the Observatory
WILLIAM C. UHLIG, Ph.D.....	Assistant in Analytical Chemistry
CHARLES H. SMITH, M.D....	Assistant in Histology and Embryology
JAMES S. MACGREGOR, M.S.....	Assistant in Civil Engineering
JULIAN BLANCHARD, A.B.....	Assistant in Physics
HERMON W. FARWELL, A.M.....	Assistant in Physics
JAMES M. KENT, M.D.....	Assistant in Applied Therapeutics
WILLIAM R. MAY, M.D.....	Assistant in Applied Therapeutics
PETER IRVING, M.D.....	Assistant in Clinical Pathology
HENRY VAN V. HOLCOMB, M.D.....	Assistant in Surgery
ALFRED CARLYLE PRENTICE, M.D.....	Assistant in Surgery
CURTENIUS GILLETTE, M.D.....	Assistant in Clinical Medicine
ISAAC OGDEN WOODRUFF, M.D.....	Assistant in Clinical Medicine
CHARLES S. FISCHER, Ph.D., M.D.....	Assistant in Medicine
MALCOLM GOODRIDGE, M.D.....	Assistant in Diseases of Children
HARRY L. HOLLINGSWORTH, A.B.....	Assistant in Psychology
EDWARD CUSSLER, M.D.....	Assistant in Clinical Pathology
DAVID G. ALLEN, M.D.....	Assistant in Bacteriology and Hygiene
FRANCIS S. FOOTE, Jr., E.M.....	Assistant in Civil Engineering
CLAUDE A. FRINK, M.D.....	Assistant in Medicine

SIDNEY V. HAAS, M.D.	Assistant in Diseases of Children
EDWIN KIRK, A.B.	Assistant in Palæontology
HOWARD H. MASON, M.D.	Assistant in Medicine
HARRY WILFRED REDDICK, A.M.	Assistant in Mathematics
WILLARD L. SEVERINGHAUS, A.M.	Assistant in Physics
EDWARD D. THURSTON, Jr., A.B., Mech. E.	Assistant in Mechanical Engineering
REINHARD A. WETZEL, B.S.	Assistant in Physics
HERBERT B. WILCOX, M.D.	Assistant in Clinical Pathology and in Diseases of Children
ALFRED HOFFMAN, Ph.D.	Assistant in Organic Chemistry
CHARLES A. ISAACS, A.M.	Assistant in Mathematics
FRED H. ALBEE, A.B., M.D.	Assistant in Orthopædic Surgery
ROBERT M. BROWN, A.B., M.D.	Assistant in Surgery
NOEL B. LEGGETT, M.D.	Assistant in Surgery
ALFRED P. LOTHROP, A.M.	Assistant in Biological Chemistry
HANFORD CURTIS ADAMS, A.B., E.E.	Assistant in Electrical Engineering
ADDISON C. ARMSTRONG, C.E.	Assistant in Civil Engineering
HENRY G. BABCOCK, C.E.	Assistant in Drawing
FREDERICK JAMES BARRETT, M.D.	Assistant in Medicine
LILIAN BRANDT, M.A.	Assistant in Social Economy
JOSEPH V. BREITWIESER, A.M.	Assistant in Psychology
ALICE DOROTHY BREWSTER, A.M.	Assistant in English in Barnard College
HERBERT A. CLARK, B.S., A.M.	Assistant in Physics
WALTER H. EDDY, B.S., M.A.	Assistant in Biological Chemistry
DAYTON J. EDWARDS, B.S.	Assistant in Zoölogy
EDWARD HALL GARDNER, A.M.	Assistant in English
LOUISE HOYT GREGORY, A.M.	Assistant in Zoölogy in Barnard College
MRS. JULIANA HASKELL, Ph.D.	Assistant in German in Barnard College
WILLIAM W. HERRICK, M.D.	Assistant in Medicine
MARGARET A. KINGSLEY, A.B.	Assistant in Botany in Barnard College
JOHN MCCHESENEY, A.B.	Assistant in Philosophy
ANNIE L. MACLEOD, A.B., M.Sc.	Assistant in Chemistry in Barnard College
HERMAN O. MOSENTHAL, M.D.	Assistant in Biological Chemistry
CHARLES J. OGDEN, A.M., LL.B.	Assistant in Classical Philology
GAILLARD S. ROGERS, A.B.	Assistant in Mineralogy
LEWIS M. SILVER, M.D.	Assistant in Diseases of Children
HENRY JAMES SPENCER, A.M.	Assistant in Zoölogy
DORRIS W. WHIPPLE, Ph.G., B.S.	Assistant in Analytical Chemistry
JAMES ELIJAH WILSON, Ph.B., E.E.	Assistant in Electrical Engineering
LEON E. PENDER, A.M.	Assistant in Physics

WILLIAM S. NELMS, A.M.....	Assistant in Physics
ABRAHAM FLEXNER, A.M.....	Assistant in Philosophy
HENRY S. GILBERTSON, A.B.....	Assistant in Politics
FAREL L. JOUARD, Ph.D.....	Assistant in Electro-Chemistry
HENRY J. SKIPP, A.B.....	Assistant in the Germanic Languages and Literatures

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CLINICAL ASSISTANTS AT THE VANDERBILT CLINIC

Officers of instruction holding appointments in addition to that of Clinical Assistant are not included in this list. A complete list of the Clinical Assistants in each subject will be found at the head of the appropriate Departmental Statement.

In Medicine

EDWARD COOK, M.D.	J. W. DOUNCE, M.D.
HERMAN EICHHORN, M.D.	GEORGE E. BARNES, M.D.
JULIUS W. WEINSTEIN, M.D.	ALBERT VANDER VEER, Jr., M.D.
MAX BERNSTEIN, M.D.	ALFRED C. HENDERSON, M.D.
HERBERT E. BARIGHT, M.D.	D. CLIFFORD MARTIN, M.D.

In Surgery

ALFRED RAABE, M.D.	RANSOM S. HOOKER, M.D.
--------------------	------------------------

In Orthopædic Surgery

SIGMUND EPSTEIN, M.D.	IRVING STEINHARDT, M.D.
WILLIAM FRIEDER, M.D.	THOMAS F. LANCER, M.D.

In Neurology

CHARLES E. ATWOOD, M.D.	E. J. McENTEE, M.D.
S. P. GOODHARDT, M.D.	J. E. CLARK, M.D.
L. P. CLARK, M.D.	J. L. MACUMBER, M.D.
H. R. HUMPHRIES, M.D.	EDWARD SCRIPTURE, M.D.
THOMAS P. PROUT, M.D.	CHRISTOPHER C. BELING, M.D.
G. W. TODD, M.D.	WILLIAM V. B. GARRETSON, M.D.
JULES V. HABERMAN, M.D.	

In Gynecology

WILLIAM L. BRADLEY, M.D.	HAROLD D. MEEKER, M.D.
AUGUSTINE W. ROFF, M.D.	

In Ophthalmology

JOHN A. JACKSON, M.D.	NATHAN GOODFRIEND, M.D.
CHRISTOPHER J. ASTLE, M.D.	GERALD H. GROUT, M.D.

In Laryngology

(Including Diseases of the Larynx, Pharynx, and Nasal Passages)

A. P. COLL, M.D.	C. D. VAN WAGENEN, M.D.
JOHN LESHURE, M.D.	T. JOSEPH BARRY, M.D.
F. CONGER SMITH, M.D.	CHARLES OSGOOD, M.D.
IRVING W. VOORHEES, M.D.	

In Otology

MATTHEW L. CARR, M.D.	ALFRED MICHAELIS, M.D.
-----------------------	------------------------

In Dermatology

JOHN ALDRICH, M.D.	CHARLES T. DADE, M.D.
J. D. GOLD, M.D.	S. DANA HUBBARD, M.D.
GEORGE HOWARD FOX, M.D.	SHIRLEY E. SPRAGUE, M.D.
SELDEN IRWIN RAINFORTH, M.D.	

In Diseases of Children

EDWARD MILLER, M.D.	WILLIAM V. P. GARRETSON, M.D.
ALBERT F. BRUGMAN, M.D.	M. H. SICARD, M.D.
A. B. YARD, M.D.	CHARLES HERRMAN, M.D.
IRA S. WILE, M.D.	GEORGE AUGUSTUS SCHNEPEL, M.D.
IRVING D. STEINHARDT, M.D.	B. WALLACE HAMILTON, M.D.
P. CLINTON PUMYEA, M.D.	EDWIN A. RIESENFELD, M.D.

In Genito-Urinary Diseases

WALTER B. BROUNER, M.D.	JAMES ALBERT COWAN, M.D.
S. W. FOWLER, M.D.	ISAAC LEVIN, M.D.

In Applied Therapeutics

F. G. GOODRIDGE, M.D.	MAX NISSELSOHN, M.D.
SIGMUND EPSTEIN, M.D.	DAVID KALISKI, M.D.
MAX SCHULMAN, M.D.	HENRY M. MORETSKY, M.D.
MORRIS FINK, M.D.	ALEXANDER GOLDMAN, M.D.
WILLIAM B. BOYD, M.D.	JULES V. HABERMAN, M.D.
HENRY E. HALE, Jr., M.D.	ARTHUR L. HUTTON, M.D.

In Hydrotherapy

ALBERT J. WITTON, M.D.
CHARLES D. CLEGHORN, M.D.

In Psychiatry

MENAS S. GREGORY, M.D.	C. F. HAVILAND, M.D.
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Columbia University in the City of New York

GENERAL STATEMENT

On October 31, 1754, Letters Patent were issued incorporating THE GOVERNORS OF THE COLLEGE OF THE PROVINCE OF NEW YORK IN THE CITY OF NEW YORK IN AMERICA, and providing for the establishment of a College to be known as King's College Historical¹ "for the Instruction and Education of Youth in the Learned Languages and in the Liberal Arts and Sciences." The conclusion of the announcement issued in the same year reads: "A serious, virtuous, and industrious Course of Life being first provided for, it is further the Design of this College, to instruct and perfect the Youth in the learned Languages, and in the Arts of Reasoning exactly, of Writing correctly, and Speaking eloquently: And in the Arts of Numbering and Measuring, of Surveying and Navigation, of Geography and History, of Husbandry, Commerce, and Government; and in the Knowledge of all Nature in the Heavens above us, and in the Air, Water, and Earth around us, and the various Kinds of Meteors, Stones, Mines and Minerals, Plants and Animals, and of every Thing useful for the Comfort, the Convenience, and Elegance of Life, in the chief Manufactures relating to any of these things: And finally, to lead them from the Study of Nature, to the Knowledge of themselves, and of the God of Nature, and their Duty to Him, themselves, and one another; and every Thing that can contribute to their true Happiness both here and hereafter." The Revolutionary War interrupted the active work of the College, which numbers Alexander Hamilton, of the Class of 1774, among its graduates.

In 1784, the Legislature of the State of New York passed an act incorporating the "REGENTS OF THE UNIVERSITY OF THE STATE OF NEW YORK," vesting the property of King's College in the Regents, and changing the name of the College to Columbia College. In 1787,

¹ The attention of those interested in the historical development of the University is called to *The History of Columbia University, 1754-1904* (pp. xiii + 493), published in Commemoration of the One Hundred and Fiftieth Anniversary of the Founding of King's College, by the Columbia University Press through The Macmillan Co., New York, and to various articles in the *Columbia University Quarterly*.

this was repealed, and a statute passed confirming the Charter of 1754 for Columbia College, and specifying "that the style of the said corporation shall be, The Trustees of Columbia College in the City of New York."

In 1810, the charter was again amended in certain particulars at the request of the Trustees, and re-enacted, but the corporate title remained and still continues unchanged. The title to all corporate property is vested in a board of twenty-four Trustees, whose term of office is for life, and who form a self-perpetuating body, exercising the power of appointment as to all officers of instruction and administration and general oversight and control of the affairs of the University.

In 1896, the Trustees approved the use of the title Columbia University in the City of New York, and in 1897 the work of the University was begun at Morningside Heights.

The PRESIDENT has charge of the educational administration of the University and is Chairman of the University Council and of every faculty established by the Trustees. The principal administrative officers, other than the President, are the Deans, who under the general supervision of the President have immediate charge of the work of the several faculties; the Librarian, the Consulting Engineer, the Secretary of the University, the Registrar, the Alumni Secretary, the Bursar, and the Superintendent of Buildings and Grounds.

The UNIVERSITY COUNCIL is a representative body consisting of the President, and the Dean and two elected members from each of the several faculties. Subject to the reserved power of control by the Trustees, it is the function of the Council (a) to determine the conditions upon which the degrees of Master of Arts and Doctor of Philosophy shall be conferred, and recommend candidates for these degrees; (b) to secure the correlation of courses offered by the several faculties with a view to increasing the efficiency and enlarging the range of University work, encourage original research, and adjust all questions involving more than one faculty; (c) to make recommendations, both to the Trustees and to the several faculties, concerning the educational administration of the University, and advise the President upon such matters as he may bring before it; (d) to appoint all Fellows and University Scholars and, within the limits of the Statutes, make rules for their government.

The University includes the following:

COLUMBIA COLLEGE (see p. 186) offers a program of studies, leading to the degrees of Bachelor of Arts and Bachelor of Science.

Emphasis is placed upon the quality of the student's work rather than upon the time spent in residence, and this combined with the close co-ordination of the work of the Summer Session with that of the College makes it possible for a well prepared candidate to complete the requirements for the bachelor's degree

Schools and
Faculties

in three and one-half years, three years, or conceivably in a shorter period for students who by anticipating College work are able to enter with advanced standing. The program provides not only for those students who wish to devote their entire time to undergraduate work, but for those who desire during their collegiate residence to prepare themselves for advanced standing in some professional course of study. As a preliminary to any of its professional courses the University strongly recommends at least two years of collegiate work, and candidates for the professional degrees who are not already college graduates are advised to take advantage of the opportunities offered through Columbia College for a combination of general and professional studies which will lead to the bachelor's degree in arts or science, in addition to a professional degree in law, medicine, mining, engineering, and chemistry, teaching, or fine arts, in six years.

BARNARD COLLEGE (see p. 323), founded in 1889, is a separate corporation. As an undergraduate college for women, however, it bears the same relation to the educational system of Columbia University as does Columbia College for men. The requirements for admission and the standard of scholarship are of the same grade. The students receive their instruction in the Barnard College buildings. The degree of Bachelor of Arts or Bachelor of Science is conferred upon its graduates by the University on the recommendation of the Faculty of Barnard College. (For the regulations governing candidates for an academic degree and for a diploma in teaching, see p. 331.)

The other faculties of the University offer advanced courses of study and investigation leading to appropriate degrees and certificates in (a) law, (b) medicine, (c) philosophy, education, philology, and letters, (d) history, economics and social science, and public law, (e) mathematics and natural science, (f) mines, engineering, and chemistry, (g) fine arts, and (h) pharmacy. Women students are not admitted to the courses in law, medicine, or mining, engineering, and chemistry.

The division of the University into faculties and schools neither controls nor limits the student in his freedom of electing, under one or several of the faculties, courses that lead to the degrees of Master of Arts and Doctor of Philosophy (see p. 179). Advanced courses and opportunities for original research leading primarily to these degrees are offered by:

THE FACULTY OF PHILOSOPHY (see p. 270), in philosophy and education, psychology and anthropology, classical philology, English, comparative literature, and the Germanic, the Romance, and the Oriental languages;

THE FACULTY OF POLITICAL SCIENCE (see p. 266), in history and political philosophy, economics and social science, and public law and comparative jurisprudence;

THE FACULTY OF PURE SCIENCE (see p. 273), in mathematics, astronomy, physics (mathematical and experimental), chemistry, mineralogy, geology, zoology, botany, physiology, anatomy, bacteriology, embryology, and biological chemistry, and in mining, metallurgy, and engineering (civil, electrical, mechanical, sanitary, and chemical);

THE SCHOOL OF LAW (see p. 208), established in 1858, offers a course of three years in the principles and practice of private and public law, leading to the degree of Bachelor of Laws;

THE COLLEGE OF PHYSICIANS AND SURGEONS (see p. 221), founded in 1807, offers a course of four years in the principles and practice of medicine and surgery, leading to the degree of Doctor of Medicine;

THE SCHOOL OF MINES (see p. 239), founded in 1863, offers courses of study in mining engineering and in metallurgy, each of four years, leading to a professional degree;

THE SCHOOLS OF ENGINEERING AND CHEMISTRY (see p. 239), set off from the School of Mines in 1896, offer courses of study, each of four years, leading to an appropriate professional degree in chemistry and chemical engineering and in civil, sanitary, electrical, and mechanical engineering;

THE FACULTY OF FINE ARTS (see p. 303), founded in 1906 and having jurisdiction over the following Schools: Architecture (founded as a department in 1880), Music (founded as a department in 1896), and Design (1906), offers courses of study of indeterminate length, leading to appropriate degrees and certificates in Architecture and Music, and, in co-operation with the National Academy of Design (an independent corporation, see p. 313), to a certificate in Design;

TEACHERS COLLEGE (see p. 343), founded in 1888 and chartered in 1889, was included in the University in 1898. It is a separate corporation, but takes academic rank in the University system as a professional school for teachers. It offers the following courses of study: (a) graduate courses leading to the doctor's diploma or to the master's diploma; (b) professional courses, each of two years, based upon two years of collegiate study, leading to the bachelor's diploma for teachers and supervisors in kindergartens or elementary schools, or for specialists in domestic art, domestic science, fine arts, manual training, music, and physical education; and to the degree of Bachelor of Science in Education;

THE COLLEGE OF PHARMACY (see p. 378), is, similarly, a separate corporation. It offers University courses leading to the degrees of Pharmaceutical Chemist and Doctor of Pharmacy.

By agreement with Mr. Joseph Pulitzer of New York, executed July 20, 1903, Columbia University will establish in the future a SCHOOL OF JOURNALISM, for which purpose Mr. Pulitzer has given to the University the sum of one million dollars.

In co-operation with Yale University, courses are offered designed

to prepare students for work in foreign countries, either in the service of the United States Government or otherwise (see p. 268).

The University maintains a SUMMER SESSION (see p. 389), of six weeks' duration, in which are offered courses that are accepted in partial fulfilment of the requirements of certain academic degrees and of the diplomas in teaching.

Through its system of EXTENSION TEACHING (see p. 392), the University offers to men and women, especially to those engaged in teaching, who can give only a portion of their time to study, an opportunity to pursue subjects included in a liberal education and to make progress, if they so desire, toward a diploma in teaching or an academic degree.

In order to present clearly a summary statement of the equipment and the instruction offered in any given group of subjects by the entire University, including Barnard College, Teachers College, and the College of Pharmacy, and to unify and correlate the work of the several departments, the departments are grouped together in divisions, as follows:

Divisional
Organization

BIOLOGY: Anatomy, Bacteriology, Botany, Physiology, Embryology, Biological Chemistry, and Zoölogy.

CHEMISTRY: Chemistry and Physiological Chemistry.

CLASSICAL PHILOLOGY: Greek and Latin.

EDUCATION (FACULTY OF TEACHERS COLLEGE).

ENGINEERING: Civil Engineering, Electrical Engineering, Mechanical Engineering, and Engineering Drafting.

FINE ARTS (FACULTY OF FINE ARTS): Architecture, Comparative Literature, Fine Arts, and Music.

GEOLOGY, GEOGRAPHY, AND MINERALOGY: Geology, Geography, and Mineralogy.

HISTORY, ECONOMICS, and PUBLIC LAW (FACULTY OF POLITICAL SCIENCE): Economics, Social Economy, Sociology and Statistics, History, and Public Law and Jurisprudence.

MATHEMATICAL AND PHYSICAL SCIENCE: Astronomy, Mathematics, Mechanics, and Physics.

MEDICINE (COLLEGE OF PHYSICIANS AND SURGEONS).

MINING AND METALLURGY: Metallurgy and Mining.

MODERN LANGUAGES and LITERATURES: Comparative Literature, English, Celtic, Germanic, and Romance Languages.

ORIENTAL LANGUAGES: Chinese, Indo-Iranian, and Semitic Languages.

PHARMACY (COLLEGE OF PHARMACY).

PHILOSOPHY, PSYCHOLOGY, and ANTHROPOLOGY: Anthropology, Philosophy, and Psychology.

PHYSICAL EDUCATION: Physical Education.

PRIVATE LAW (FACULTY OF LAW).

The Announcements of each College or School, of the Summer Session, of Extension Teaching, and of the several Divisions, are issued annually or biennially in the form of Bulletins of Information, and may be obtained without charge from the Secretary of the University.

GENERAL REGULATIONS

Academic Discipline

Under the Statutes of the University every student is admitted subject to the disciplinary powers of the University authorities. The President is empowered to administer discipline and to authorize the Deans of the several faculties to do so on his behalf.

Attendance

No degrees are granted by the University for work done *in absentia*, and a minimum residence of one complete academic year (or in the case of the degree of Master of Arts attendance at four Summer Sessions or two Summer Sessions and one half-year) is required of each candidate for a degree.

The University requires of all students regular attendance upon all stated academic exercises.¹

REGISTRATION

A student may enter Columbia University as either (1) a matriculated student, accepted by the University as having fulfilled the preliminary qualifications for candidacy for a degree or diploma in teaching; or (2) a non-matriculated student, permitted to attend such courses as he may be qualified to take, but not regarded as a candidate for a degree or diploma in teaching. Non-matriculated students may, however, receive a formal statement as to the satisfactory completion of any course or courses. In the Announcement of each faculty will be found the conditions governing the admission of either matriculated or non-matriculated students to courses under that faculty.

Before attending any University exercises each student must register, *i. e.*, must present himself in person to furnish the information necessary for the University records and to file a statement of the courses he is authorized to pursue (for the matriculation or registration fee, payable but once, see p. 35). The central office of the

¹ Students prevented by conscientious scruples from complying with academic requirements which may be fulfilled only upon days set apart by their church for religious observance, should make application to the appropriate University authority for equitable relief.

Registrar, 201 East Hall, and the offices at the College of Physicians and Surgeons, 437 West 59th Street, at the College of Pharmacy, 115 West 68th Street, and at Barnard College and Teachers College, will be open for registration on January 30, 1909, from September 15 to September 21, 1909, and on January 29, 1910. New students may also register on the day following each of these periods.

Students registering later must pay an additional fee of \$5.00. They may, however, if unable through no fault of their own to complete their registration, file a provisional statement within the statutory period. Students will be held directly accountable for absences incurred owing to late registration. In order to qualify for the receipt of their stipends, Fellows and Scholars must report themselves as in residence to the Registrar upon the first day of each half-year.

The requirements for the several degrees, certificates, and diplomas in teaching may be completed at any time during the year, but diplomas are issued only at commencement and at the beginning of the first and of the second half-year.

Withdrawal

An honorable discharge is granted to any adult student in good standing who may desire to withdraw from the University; a minor must submit the written assent of his parent or guardian.

Students are requested, in case of withdrawal from the University during the academic year, to notify the Registrar in writing without delay. No application for a return of fees can be considered unless such notice be given at the time of withdrawal.

The Dean of any faculty may for reasons of weight grant a leave of absence to a student in good standing.

FEES

The regulations of the corporation of Columbia College in the City of New York in regard to fees are as follows. The President is under instructions to withdraw the privileges of any student delinquent in payment after the second Wednesday of each half-year. All regulations as to fees are subject to change by the Trustees at their discretion.

- (a) *For Matriculation or Registration:* Required of all students before entrance, payable but once..... \$ 5
For Late Registration (see page 35)..... 5
- (b) *For Tuition*, payable at the beginning of each half-year; if the entire fee be less than \$100 the whole must be paid upon registration.
- For Matriculated Students:*
 In the College, per point (see page 191)..... 5

To be paid for the total number of points for which the student is permitted to register; with extra charges for certain allowed professional courses, not to exceed \$100 in any year.

In the School of Law.....	per annum	\$ 150
In the College of Physicians and Surgeons.	" "	250
In the Schools of Mines, Engineering, and Chemistry (exclusive of certain summer-course fees, see pages 37-38).....	per annum	250
In the Schools of Fine Arts.....	" "	150-200

In Architecture the fees are at the rate of \$15 per annum for each hour of attendance a week on lectures, with special fees for drawing and design up to a total maximum of \$200.

Candidates for the degrees of Master of Arts and Doctor of Philosophy, exclusive of laboratory fees (see page 37).....per annum 150

With a minimum fee of \$150 for courses taken to fulfil the requirements for either degree, irrespective of the aggregate number of hours occupied by such courses; and irrespective of the regulations governing fees for Summer Session courses taken to fulfil the requirements for the degree of Master of Arts.

With a maximum fee—for courses actually needed to fulfil the requirements of the degree in question—of \$150 and \$300,¹ respectively, when the course does not exceed for the master's degree, three, and for the doctor's degree, five years.

For Non-Matriculated Students (and matriculated students taking part time), at the rate of \$15 per annum for each hour of attendance a week on lectures or recitations, with a maximum fee of \$150 except that in Columbia College the charge is the same as for matriculated students and in the Schools of Pure Science and Fine Arts the maximum fee is \$200, and that in the schools of Medicine, Mines, Engineering, and Chemistry, the rate is \$25 per annum for each hour, with a maximum fee of \$250. For other fees see page 37.

For All Students, matriculated or non-matriculated, in the Summer Session..... 30

For Students in Extension Teaching, see page 392.

(c) *For Examinations, payable in each case before examination is held:*

¹ Tuition fees paid by a candidate for A.M. will be credited toward the maximum fee for Ph.D., provided there be no change in the choice of major and minor subjects.

For entrance (see pp. 169 <i>et seq.</i>).....	\$ 5
For any examination or single series of examinations taken at any other time than at the conclusion of a course actually attended whether taken prior or subse- quent to admission.....	5
For the Collegiate degree of Bachelor of Arts or Bachelor of Science.....	15
For any professional or technical degree.....	25
For the degree of Master of Arts.....	25
For the degree of Doctor of Philosophy.....	35
<i>(d) For Use of the Gymnasium:</i>	
Required of all students (men and women) except those of the College of Physicians and Surgeons and the College of Pharmacy.....per annum	7
Gymnasium fee, Summer Session, optional.....	5
For the fees prescribed by the Trustees of Barnard College, Teachers College, and the College of Pharmacy see the separately printed Announcements.	

Laboratory Fees

The Statutes provide that students registered in any department of the University who are not candidates for a degree, as well as all candidates for the higher degrees, shall be charged, in addition to the prescribed tuition fee, a fee for certain laboratory courses and for the use of laboratories, up to a maximum fee of \$250 including tuition. The schedule of such fees may be obtained from the Registrar.

Architecture

Students not matriculated in architecture taking not less than four hours per week of lectures are permitted to register and pay for periods of two months at the rate of \$5 per hour weekly of lectures taken. They are charged a fee of \$25 for the use of the drafting rooms for the academic year, or \$10 for a single period of two months, but in no case are the total fees to exceed \$50 for the two months.

Summer Courses in Surveying

Laboratory fees, payable on or before the last Saturday in May, are required as follows: Civil Engineering course No. 15, \$25, or \$7 per survey; No. 25 and No. 27, \$15, or \$5 per survey; No. 26, \$5; No. 28 and No. 71, \$10.

Non-candidates, candidates for admission to and students having entered with advanced standing, who may be required to attend these courses, and students required to repeat them through delinquency, are charged, in addition, tuition fees as follows: No. 15, \$35; No. 25, No. 27, No. 28, and No. 71, \$25; No. 26, \$10. In the case of a student

registered in Columbia College who has paid an additional fee under the operation of this rule, an equitable credit will be made should he later complete the requirements for a professional degree.

For further details as to the administration of these fees, see the *Special Announcement of the Schools of Mines, Engineering, and Chemistry*.

Summer Courses in Mining and in Geodesy

Candidates for admission to advanced standing who attend the Summer Course in Practical Mining are required to pay therefor a fee of \$50. All students attending the Summer Course in Geodesy must pay a fee of \$20 for the course, to the Bursar at the University. These fees are payable on or before the last Saturday in May.

Deposits for Apparatus Supplies and for Keys to Desks and Lockers

A deposit for the use of lockers, keys, apparatus, material, and the like, ranging from \$2 to \$40, is required of students in Mines, Engineering, Chemistry, and Architecture. At the end of the year each student will be credited with those articles which he returns in good order, and the value of those he has injured or broken will be deducted from his deposit. Details may be obtained from the Bursar.

Residence Halls and University Commons

(See page 45)

Comparative Statement of Students' Probable Expenses for the Academic Year, October to June

BASED ON STUDENTS' STATEMENTS

	Low	Average	Liberal
Matriculation Fee (First Year).....	\$ 5	\$ 5	\$ 5
Tuition Fee ¹	150	150	150
Gymnasium Fee.....	7	7	7
Books.....	18	30	40 up
Incidentals.....	7	15	33 "
Residence Hall (39 weeks).....	100	128	180 "
Commons (39 weeks).....	150	191	236 "
Clothes and Washing.....	46	80	125 "
All other expenses.....	24	57	100 "
Total.....	\$507	\$663	\$876 up

¹ For Medicine and Mines, Engineering and Chemistry, add \$100, and for Architecture add \$50. Students in Mines, Engineering and Chemistry should also make provision for deposits for apparatus ranging from \$10 to \$40 and for Summer Courses.

COMMITTEE ON EMPLOYMENT FOR STUDENTS

Professor KEMP, Chairman; Professors FISKE, HUNTINGTON, BURDICK, GIDDINGS, and TODD, and the Secretary and Registrar of the University, the Alumni Secretary, and Secretary of Earl Hall. P. C. H. Holter, A. B. 1907, is Secretary of the Committee. No fees are charged for its services.

It is the design of the Committee to aid students, especially those coming from elsewhere than New York or the immediate vicinity, to earn enough for their partial or complete support, and if possible to extend assistance to them in other ways. Many opportunities may be offered to competent students both during the academic year and in vacation if the fact of their desire to obtain employment is made known. Some of the openings available are: private tutoring, translating, teaching in evening schools, travelling companions, clerical work, stenography, and paid social and political work. Communications should be addressed to the Committee.

Although a number of medical and engineering students succeed each year in earning sufficient money for their tuition and support the Committee hesitates to advise such students to undertake outside work of any kind during the academic year. The demands of these courses in lectures and laboratory work are so exacting and inflexible as to make additional responsibilities a greater burden than can, in the great majority of instances, be wisely assumed. In general such students are advised to withdraw for a year in order to earn the money necessary to enable them to give undivided attention to their work while in residence.

In case of a choice of applicants for a position, preference is naturally given to those who have become personally known to members of this Committee or to other officers. No prospective student should come to the University depending entirely or even largely upon the assistance of the Committee, but should be prepared to meet at least the expenses of the first half-year—say two hundred and fifty dollars.

The heads of clinics in the Medical School have consented to give advice without charge to students who are on the lists of the Committee, and who present cards of introduction from its Secretary. Such visitors are received, as a general rule, during office hours at private offices.

APPOINTMENT COMMITTEES

The duty of these Committees is to assist competent graduates of the University to obtain suitable permanent academic employment.

The Committees keep classified lists of those who wish employment and will be glad to be informed promptly of present or prospective vacancies in positions for which college-trained men or women are eligible.

No fees are charged for any service rendered by either Committee.

For positions in Colleges and Universities except in the Department of Education

Professor TOMBO, Chairman; DR. CANFIELD, Professors SELIGMAN, CATTELL, TODD, KIRCHWEY, CARPENTER (G.R.), WHEELER, and THOMAS.

Communications in regard to vacancies and recommendations of suitable candidates for the same should be addressed to the Chairman.

For college and university positions in Education, and for Administrative, Supervisory, and Teaching positions in Normal, Secondary, and Elementary Schools and Kindergartens

Professor JAMES E. RUSSELL, Dean of Teachers College, Chairman; Professors DUTTON, KEMP, McMURRY, SMITH (D. E.), and TRENT.

Communications should be addressed to the Chairman of the Committee, or to its Secretary, Miss I. L. Pratt.

FELLOWSHIPS, SCHOLARSHIPS, AND PRIZES

(See page 412)

RELATIONS BETWEEN THE UNIVERSITY AND OTHER INSTITUTIONS

The educational opportunities of students in Columbia University (including Barnard College, Teachers College, and the New York College of Pharmacy) are increased by the close relations of the University with other institutions of instruction and research.

The Theodore Roosevelt and Kaiser Wilhelm Professorships

The Theodore Roosevelt Professorship of American History and Institutions in the University of Berlin has been endowed by the gift of \$50,000 to the Trustees of Columbia University. Incumbents of the professorship are appointed with the sanction of the German Emperor by the Prussian Ministry of Education upon the nomination of Columbia University. The term of office of each incumbent will be one year and he will give instruction in the German language. Incumbents of the chair will be so chosen that in successive years the fields of American history, American constitutional and administrative law, American economic and sociological problems and movements, American education, and American contributions to science, technology, the arts and literature, will be the subject of instruction. The instruction will be given in the University of Berlin during each winter semester, and may be repeated in whole or in part at some one of the other German universities during the ensuing summer semester. Nominations will not be confined to the members of the

staff of Columbia University, but professors in any American institution of learning, or scholars unattached to any University, will be eligible for nomination.

The Prussian Ministry of Education has established in Columbia University a chair of German History and Institutions, to be filled each year by the Trustees of Columbia University upon the nomination of the Prussian Ministry of Education. To this chair the name of the Kaiser Wilhelm Professorship of German History and Institutions has been given, with the approval of the German Emperor.

Theodore Roosevelt Professorship

1906-07 John William Burgess, Ph.D., LL.D.

Ruggles Professor of Political Science and Constitutional Law, and Dean of the Faculty of Political Science in Columbia University.

1907-08 Arthur Twining Hadley, Ph.D., LL.D., President of Yale University.

1908-09 Felix Adler, Ph.D.

Professor of Social and Political Ethics in Columbia University.

1909-10 Benjamin Ide Wheeler, Ph.D., LL.D.

President of the University of California.

Kaiser Wilhelm Professorship

1906-07 Hermann Schumacher, Jur.D.

Professor of Political Economy in the University of Bonn.

1907-08 K. G. Rudolf Leonhard, J. U. D.

Professor of Legal Science in the University of Breslau.

1908-09 Albrecht F. K. Penck, Ph.D., Sc.D.

Privy Councillor and Professor of Geography and Director of the Geographical Institute of the University of Berlin.

American Museum of Natural History

The American Museum of Natural History places its collection at the service of advanced students of Columbia University for the purposes of study and research, and provides them with the necessary facilities for work. The Director of the Museum is a member of the Faculty of Pure Science of the University.

National Academy of Design

The agreement of February 5, 1906, between the University and the Academy makes provision for the closest relations between the two institutions in the development of the study of design in New York City.

(See page 313.) The President of the Academy is now a member of the Faculty of Fine Arts, and the professors in the new departments of painting, sculpture, and in the decorative arts are appointed upon the joint recommendation of the President of the University and the Council of the Academy.

Metropolitan Museum of Art

The Metropolitan Museum of Art admits students of Columbia University on presentation of cards of introduction from the University, and gives them special facilities for the study of the objects in the Museum. The Director and Assistant Director are members of the Faculty of Fine Arts.

The New York Botanical Garden

Columbia University has the privilege of conducting university courses in botany at the New York Botanical Garden and of using its laboratories and floral material, and all courses of instruction given there are open to officers and students of the University without charge. The Director is a member of the Faculty of Pure Science. For a description of the equipment of the Botanical Garden, see the statement of the Department of Botany (page 67).

Theological Seminaries

The Union Theological Seminary and the General Theological Seminary, both of which are represented in the University Council, admit students of high standing in the University to certain lectures in their regular or special courses without tuition fee. The privileges of the Libraries of the Seminaries, for reference, are open to all qualified students of the University. Reciprocal advantages are offered by the University to students of the Seminaries who are qualified to register as candidates for the higher degrees. The General Theological Seminary offers a scholarship to graduates of Columbia College.

The University also enjoys reciprocal arrangements with the other theological seminaries in the vicinity of New York—the Jewish Theological Seminary (New York), Drew Theological Seminary (Madison, N. J.), St. Joseph's Theological Seminary (Yonkers, N. Y.), and the New Brunswick (N. J.) Theological Seminary.

Hospitals

Besides the Vanderbilt Clinic and the Sloane Maternity Hospital the general and special hospitals of New York afford most important fields for clinical teaching. The College of Physicians and Surgeons is strongly represented on the staff of these institutions, and regular clinical instruction at hospitals is made a prominent feature of the program. Admission is free to all matriculated students of the College of Physicians and Surgeons.

Other Institutions

For the details of the work preparatory to public service offered by Yale University and Columbia University in co-operation, see page 268.

The Director of the New York School of Philanthropy is a professor in the University, and the same reciprocal advantages for students exist as in the case of the Theological Seminaries.

There are the closest informal relations between the University and the Hispanic Society of America, the Rockefeller Institute of Medical Research, the New York Zoological Garden, the New York Aquarium, and the laboratories at Wood's Hole and Cold Spring Harbor. (For the Libraries of the city, see below.)

PUBLIC LECTURES

The University conducts annually a single course of public lectures at the Cooper Union (these are known as the Hewitt lectures), and has made arrangements to conduct similar courses in alternate years at the American Museum of Natural History (the Jesup lectures) and at the Metropolitan Museum of Art. The Hewitt lecturer for 1908-09 is Professor Gies. The Jesup lecturer is Professor MacLaurin. During the year many public lectures are also delivered at the University, several of the departments of instruction presenting courses each year. Certain of these courses are maintained by specific endowment: in particular, the Beer lectures in political science, the Blumenthal lectures in politics, the Carpentier lectures in law. A list of the lecturers upon these foundations will be found on page 18. At the opening exercises at Morningside Heights on the first day of the academic year, and at those of the Medical School on the following day, there are academic addresses. Other lectures for 1908-09 include a series on the "History of the Supreme Court," by William D. Guthrie, a series on Meteorology, a series under the auspices of the Germanistic Society of America, a series on "The Physiography of the German Empire," by the Kaiser Wilhelm Professor, and a series by Signor Guglielmo Ferrero. Information as to all public lectures under the auspices of the University will be furnished by the Secretary.

THE LIBRARY

JAMES H. CANFIELD.....	<i>Librarian</i>
CHARLES A. NELSON.....	<i>Librarian, Columbia College,</i> <i>and Editor of Library Publications</i>
ELIZABETH G. BALDWIN.....	<i>Librarian in Charge of Bryson Library</i>
BERTHA L. ROCKWELL.....	<i>Librarian of Barnard College</i>
MARGARET VAN ZANDT.....	<i>Supervisor, Order Department</i>
HARRIET B. PRESCOTT.....	<i>Supervisor, Catalogue Department</i>

FREDERIC W. ERB.....	<i>Supervisor, Loan Division, Readers' Department</i>
FRANK C. ERB.....	<i>Supervisor, Shelf Department</i>
ALICE L. MILLER }	<i>Reference Librarians, General Library</i>
CLARA BRAGG }	
EDWARD R. SMITH.....	<i>Reference Librarian, Avery Library</i>
MARY OTIS COX.....	<i>Reference Librarian, Law Library</i>
VLADIMIR GR. SIMKHOVITCH.....	<i>Bibliographer</i>

The Library is open each week-day (except Thanksgiving, Christmas, Good Friday, and Independence Day) from 8.30 A.M. until 11 P.M., October-June; and until 10 P.M., July-September. All officers, students, and graduates of the University have free access to the Library and may draw books for home use.

Officers of the New York University, of the College of the City of New York, of the Metropolitan Museum of Art, and of the American Museum of Natural History are granted the same Library privileges as are extended to graduates of Columbia University.

Persons of mature years desiring to engage in definite research which cannot be successfully conducted in the public or other libraries of this city will be given the privilege of using this Library in the building, upon filing a satisfactory application, responsibly endorsed. Blank applications will be furnished by the Librarian on request.

About 10,000 carefully selected reference books and the most important works on all subjects, in standard editions, representing the leading authors in all literatures, are placed in the general reference room, directly accessible to all readers.

For the convenience of undergraduates of Columbia College, there has been established in Hamilton Hall a College Study. Five thousand carefully selected volumes have been placed in this room, as a reference library.

Connected with the stacks in which are stored the books relating especially to Philosophy, Literature, the Languages, the Sociologic and Economic Sciences, Public Law, and History, are twenty special study rooms, open only to authorized readers; thus affording advanced students and investigators in these fields the fullest opportunity to carry on their work in quiet rooms in the immediate vicinity of the literature of the subjects under consideration. The various Science departments have special libraries in close connection with their laboratories and lecture rooms.

The Library contains about 420,000 volumes, exclusive of unbound pamphlets and duplicates, and some 30,000 German dissertations.

Among the notable special collections may be mentioned the Columbiana, 2500 titles; the Phoenix Library, consisting of 7000 volumes, the gift of Stephen Whitney Phoenix, of the Class of 1859; the Avery Architectural Library, a collection of about 18,000 volumes relating to architecture and decorative art; the Mary Queen of Scots

Library, containing 550 volumes, collected and given by General J. Watts de Peyster; the collection of over 1200 volumes by and about Goethe; the Immanuel Kant collection of nearly 1000 volumes; the valuable Townsend Library of National, State, and Individual War Records; the Garden Library, deposited by the Southern Society of New York; the valuable library of The Holland Society of New York, 600 volumes, including the remarkable collection of works of Grotius; the philological library of the late Professor Mortimer Lamson Earle, given by his students and friends—consisting of some 2500 volumes; the library of Henry Livingston Thomas, late Chief Translator of the Department of State, Washington, given by his son, Dr. William S. Thomas—some 9000 volumes; and the Library of the American Mathematical Society, 1500 volumes. The Library is also the depository for the American Association for the Advancement of Science, and for the Reform Club of the City of New York.

The entire Library is carefully and accurately catalogued both by authors and subjects. The catalogue is on cards accessible to readers.

The Bryson Library of Teachers College, the Educational Library of the University, and the carefully selected reference libraries of Barnard College, the College of Physicians and Surgeons, and the College of Pharmacy, are all available to officers and students of the University. Nearly all of the more private or restricted libraries of the city, such as those of the learned societies, are open to officers and to advanced students introduced by the Librarian of the University.

University Press Bookstore

A University Bookstore is maintained under the auspices of the Columbia University Press, where officers and students may purchase books and stationery at stated discounts from list prices.

THE GYMNASIUM

(See page 150)

UNIVERSITY COMMONS

The University Commons, under student management for the accommodation of men living in the Residence Halls, is conducted upon a system combining the *table d'hôte* and *à la carte*, the average weekly charge being \$4.50. The Commons, which has accommodations for 450 men, is in University Hall. Under the same management is a large buffet lunch room.

RESIDENCE HALLS

For Men

There are two University dormitories on South Field, with accommo-

dations for 500 men, Hartley Hall, a memorial to the late Marcellus Hartley, and Livingston Hall, named in memory of Robert R. Livingston, of the Class of 1765. Each building is 10 stories in height exclusive of basement, and 137 feet long by 60 feet wide. They are lighted throughout by electricity and heated by steam, with telephone connection on each floor. There are four electric elevators.

The two Halls contain 600 rooms, both single and double, all being outside rooms; their arrangement permits of flexibility in renting the rooms in suites. The average size of the bedrooms is about 8 feet by 14.6. The studies average 10 by 14.6 feet. All rooms are nine feet high. Each bedroom has a clothes-closet and an enamelled basin with hot and cold water, and is provided with heavy oak furniture. There are four shower-baths on each floor.

The only entrance to each building for students is on the side facing the campus, and leads directly into an assembly room 60 feet square. This room runs up through two stories and has a large open fireplace opposite the entrance.

While Hartley Hall and Livingston Hall are open to all male students of the University, students in Columbia College, in accordance with the desire of the donors, Mrs. Helen Hartley Jenkins and Marcellus Hartley Dodge, '03, are given the preference in the assignment of rooms in Hartley Hall.

The average weekly charge for a single room is \$3.30, or \$129 for the academic year of thirty-nine weeks. A pamphlet containing floor-plans of the buildings and indicating the charge for each room may be had upon application to the Secretary of the University. The pamphlet contains also the Hall Regulations. Rooms will be assigned in the order of receipt of applications therefor. All such applications should be made in writing on a blank which will be provided by the Superintendent of Buildings and Grounds.

The Residence Halls are supervised and controlled by a Council composed of the Consulting Engineer, two University officers, and a representative from each Hall. The Council is assisted by two Committees made up of residents in the Halls.

For Women

Whittier Hall, a dormitory building under the supervision of the authorities of Teachers College, is situated on Amsterdam Avenue, between 120th and 121st Streets, and has accommodations for 350 women. Inquiries regarding rooms, board, and the like, should be addressed to the Secretary of Whittier Hall, 1230 Amsterdam Avenue.

Brooks Hall, the hall of residence for Barnard College students, is on the north side of 116th Street; it accommodates 90 students. Full information in regard to the situation, and cost of rooms, the

advance deposit, the charge for electric light and the residence scholarships is published in a separate pamphlet, to be had on application to the Secretary of the College, or to the Mistress of Brooks Hall, Barnard College, New York City.

Other Living Accommodations

Besides these dormitories, there are many good boarding-houses and apartments near the University. The careful selection, inspection, and registration of such lodgings, etc., have been undertaken, and a card-catalogue of apartments, rooms, etc., is kept at Earl Hall. Many of the Greek letter fraternities, a list of which will be found on page 52, maintain chapter houses near the University.

MEDICAL VISITOR

For the benefit of those members of the University who are without family physicians in New York City the Trustees have designated a Medical Visitor of the University, whose duties are to render medical assistance to such officers and students as may desire it, either at their homes or elsewhere, at a remuneration to be arranged between himself and individual patients. The Medical Visitor is Dr. D. S. D. Jessup, whose office is at No. 542 West 112th Street (telephone 6382 Morningside). His office hours are from 5 to 6 P.M. daily, or by appointment at his office.

EARL HALL

Earl Hall, the home of the religious, philanthropic, and social organizations and interests of the University, is open from 8.30 A.M. to 10 P.M. daily, to all students without expense, under the direct management of the Secretary of Earl Hall, who is also Secretary of the University Young Men's Christian Association.

The building may not be used for distinctly dogmatic or denominational religious teaching. All organizations the objects of which are to promote the religious and philanthropic life of their student members and of the student body at large have the privilege of holding their meetings in this building. While the social purposes of the Hall are necessarily subordinated to the other uses of the building, the Secretary desires to promote the same type of informal personal and social intercourse that prevails in a good club.

Provision for the regular meetings of student organizations is made on a day-and-hour schedule, without exclusive use of any of the rooms in the following order: societies the purpose of which is (1) primarily religious; (2) primarily philanthropic; (3) primarily literary, and (4) miscellaneous student organizations.

PUBLIC WORSHIP AND RELIGIOUS WORK

St. Paul's Chapel, the gift of Olivia Egleston Phelps Stokes and Caroline Phelps Stokes, as a memorial to their parents, was dedicated

February 3, 1907. The Chapel is in the form of a cross, the greatest length being 122 feet and the width at the transepts 77 feet. In all 1050 sittings are provided. Of these 120 are in the choir, which, as in the English cathedrals, may itself be used for a religious service at which the attendance is small.

Service, at which attendance is voluntary, is held every week-day except Wednesday and Saturday, at noon, the period from 12 to 12.20 being set apart by the University for religious exercises; and on Sunday afternoons at 4 P.M. Vesper services are held each Wednesday at 5 P.M. There are also frequent organ recitals in the Chapel.

STUDENT ORGANIZATIONS

Academic control of all student organizations, athletic and other, which in any way represent the University before the public, is vested in the University Committee on Student Organizations, appointed by the President. The various organizations, while self-governing, are subject to the regulations of the Committee in respect to their organization, financial management, administration, and discipline. The times and places of all public contests and performances must be approved by the Committee. All budgets for expenditure must be approved by the Comptroller of Student Organizations, an officer appointed by the President, and each organization is required to keep an accurate record of its financial operations in the office of the Comptroller. The University Committee on Athletics, also appointed by the President, consisting of three graduates, two students, and two officers of the University, has authority to adopt and administer rules of eligibility not involving questions of scholarship and to govern the participation of the students of Columbia University in intercollegiate athletics. Participation in athletics without the approval of the Committee is forbidden. A pamphlet containing the regulations for student organizations may be obtained from the Secretary of the University.

Constitution of the Board of Student Representatives

[Approved by the University Council, April 21, 1908]

ARTICLE I

There is hereby constituted a board to be known as The Board of Student Representatives of Columbia University.

ARTICLE II

The object of this Board shall be:

- (1) To furnish a representative body of men who, by virtue of

their position and influence in student affairs, shall be able to express the opinion and wishes of the students.

(2) To encourage student activities, to make regulations for the control and conduct of the same, and to decide matters of dispute between student organizations, in so far as the exercise of these functions does not conflict with University legislation.

(3) To provide a suitable medium through which student opinion may be presented to the University authorities.

ARTICLE III

The Board shall consist of nine members; one to be elected from the College, by vote of College students; one to be elected from the Schools of Mines, Engineering and Chemistry, by vote of students of those Schools; one to be elected from the School of Law by vote of Law students; and six to be elected, without restriction of School, from the student body at large, as provided for in Article VI of this Constitution. The Board so elected shall assume office on the day after Commencement; and shall hold office during the ensuing academic year. Six members of the Board shall constitute a quorum.

ARTICLE IV

(1) To be eligible for election from the College a student must be, at the time of the election, a regularly matriculated student in the College and of Junior standing.

(2) To be eligible for election from the Schools of Mines, Engineering, and Chemistry a student must be, at the time of the election, a regularly matriculated member of the Third-Year Class in one of such Schools.

(3) To be eligible for election from the School of Law a student must be, at the time of the election, a regularly matriculated student in such School intending to continue his studies therein during the ensuing year.

(4) To be eligible for election from the student body at large a student must be at the time of the election a regularly matriculated student in Columbia University intending to continue his studies therein during the ensuing year.

ARTICLE V

Each candidate for election from

- (a) the College
- (b) the Schools of Mines, Engineering, and Chemistry
- (c) the School of Law

must be nominated by a member of that student body which the candidate represents, and must be seconded by at least nine other members of that body

Each candidate for election from

(d) the student body at large

must be nominated by a member of the student body and seconded by nine others, but no restriction of School is imposed.

All nominations must be filed in writing in the office of the Registrar at least two weeks before the first day of the election period.

Nominations not complying with these conditions shall not be considered.

ARTICLE VI

The members of the Board shall be chosen at elections held as follows:

(1) During the first week of the second half of the academic year, the student bodies of (a) the College, (b) the Schools of Mines, Engineering and Chemistry, (c) the School of Law, shall each elect a representative to membership on the Board of the following year, with the privilege of attending without vote all meetings of the then active Board.

(2) During the last week of April of the same academic year there shall be held a general election, open to the entire student body of the University, at which the remaining six members of the new Board shall be elected.

(3) At each election all voting shall be by ballot only and conducted through the office of the Registrar. The election period during which balloting may take place shall extend over three days between the hours of 9 a. m. and 5 p. m. of each day. In the elections provided for in Section 1 of this Article, the candidate receiving the highest number of votes in each election shall be considered elected. In the general election provided for in Section 2 of this Article, the six candidates receiving the highest number of votes shall be considered elected.

(4) The Board shall have the power to fill any vacancy arising in its membership between elections.

ARTICLE VII

The officers of the Board shall be a Chairman and a Secretary-Treasurer, who shall hold office for one year. The Chairman and Secretary-Treasurer shall be elected by a majority vote of the Board at its first regular meeting, which meeting shall be held on the day following Commencement. The Chairman shall preside at meetings.

In the event of his absence, the Board may elect a Chairman *pro tem*. The position of Chairman shall carry with it no prerogatives beyond those of an ordinary member, except in cases where the Chairman shall be authorized and instructed at a meeting of the Board.

The Secretary-Treasurer shall keep minutes of the meetings of the Board, shall have custody of its records and funds, and shall conduct its correspondence.

ARTICLE VIII

The Board of Student Representatives shall have the right:

(1) To nominate two undergraduate members of the University Committee on Athletics, subject to the approval of the President of the University.

(2) To confer with any officer, or representatives of any recognized body of officers, of the University, on matters of peculiar interest and concern to the student body; and it shall furthermore be the right of the Board to receive early notice regarding contemplated legislation primarily affecting the extra-curricular activities of the student body.

(3) To refer to the President of the University for consideration matters of peculiar interest and concern to the students.

ARTICLE IX

The Board shall have authority, and it shall be its duty, to take into consideration, on its own motion, or upon charges preferred, the conduct of any student or body of students which may seem detrimental to the interest or the good name of the University; and, having conducted an investigation, shall itself take, or, where necessary, recommend to the appropriate authorities, such action as it deems just and reasonable, to the end that such detrimental conduct shall be properly reprehended and any repetition of it prevented.

ARTICLE X

Subject to the reserved power of the University authorities, this Board shall exercise control over all inter-class affairs and intramural sports.

The Board shall take charge of all class and general elections, and shall have the power to appoint the times for holding class elections and all inter-class contests.

ARTICLE XI

Any petition submitted through the Board shall receive official acknowledgment and shall be acted upon by the appropriate authorities as soon as may be practicable.

ARTICLE XII

A report of the Board shall be submitted annually to the President of the University on or before June 30th.

ARTICLE XIII

This Constitution may be amended, upon written notice of not less than five days to all members of this Board, by vote of seven members of the Board, such amendment, before becoming effective, to be ratified by the student body and the University Committee on Student Organizations.

Members of the Board 1908-09

J. C. MACKENZIE, <i>Chairman</i>	G. E. HUTCHINSON, <i>Secretary</i>
G. B. COMPTON	W. H. D. PELL
W. A. KIMBEL	H. PRICE
V. K. W. KOO	J. J. RYAN
	A. ZINK

Greek Letter Fraternities in the order of their establishment

Alpha Delta Phi	Phi Delta Theta
Psi Upsilon	Alpha Tau Omega
Delta Phi	Delta Upsilon
Delta Psi	Sigma Chi
Phi Kappa Sigma	Sigma Alpha Epsilon
Phi Gamma Delta	Phi Sigma Kappa
Phi Kappa Psi	Theta Xi
Delta Kappa Epsilon	Alpha Chi Rho
Zeta Psi	Delta Sigma Phi
Beta Theta Pi	Omega Pi Alpha
Delta Tau Delta	Phi Epsilon Pi
Theta Delta Chi	Sigma Nu

ALUMNI ASSOCIATIONS**Local**

Alumi Council.—J. Howard Van Amringe, '60 chairman; Rudolf Tombo, Jr., A.M. '98., secretary, Columbia University.

Columbia College.—Julien T. Davies, '66, '68L, president; Ernest Stauffer, Jr., 1904, secretary, 2 Wall Street.

School of Medicine.—Samuel W. Lambert, '85M, [president;

Henry E. Hale, Jr., '96M, secretary, 752 West End Avenue.

School of Law.—George L. Rives, '68, '73L, president; Robert Van Iderstine, '94L, secretary, 100 William Street.

Schools of Mines, Engineering, and Chemistry.—Daniel E. Moran, '84S, president; Ralph E. Mayer, '79S, secretary, Columbia University.

School of Fine Arts.—Henry S. Kissam, '85Arch., president; Will Walter Jackson, '92Arch., secretary, 50 Beekman Street.

Doctors of Philosophy.—George A. Soper, Ph.D. '99, president; Rudolf Tombo, Jr., Ph.D. 1901, secretary, Columbia University.

Barnard College.—Mrs. R. S. Woodward, Jr., 1901, president; Elizabeth Carpenter Roberts,

1901, secretary, 189 Madison Avenue, Flushing, L. I.

Teachers College.—Cliff. W. Stone, 1904, president; Laura Whittemore, 1900, secretary, Teachers College, Columbia University.

College of Pharmacy.—Hieronymus A. Herold, '94, president; Harry B. Ferguson, '95, secretary, 115 W.

General

California Association.—William S. Noyes, '75S, president; John C. Spencer, '82, '85M, secretary, Butler Building, San Francisco, Cal.

China Association.—Dr. F. L. Hawks-Pott, '83, president; F. E. Hinckley, Ph.D. 1905, secretary and treasurer, Clerk, United States Court for China, Shanghai, China.

Colorado Association.—F. H. McNaught, '78M, president; Raymond J. McPhee, 1905L, secretary and treasurer, McPhee Building, Denver, Colo.

Columbia (Missouri) Association.—Isidor Loeb, Ph.D. 1901, president; E. W. Hinton, '91L, secretary, Columbia, Mo.

Connecticut Association.—Rev. N. Ellsworth Cornwall, '62, president; John D. Irving, '96, secretary, Yale University, New Haven, Conn.

District of Columbia Association.—W. Duncan McKim, '75, '78M, president; George O. Totten, Jr., '91Arch, A.M. '92, secretary, 808 17th Street, N. W., Washington, D. C.

Illinois Association.—Victor

Elting, '91, president; William M. L. Fiske, Jr., 1900, secretary and treasurer, 240 La Salle Street, Chicago, Ill.

Indiana Association.—Edward Daniels, '77L, president; Oscar L. Pond, acting secretary, 1109 Law Bldg., Indianapolis, Ind.

Kansas City Association.—Rt. Rev. Edward R. Atwill, '62, president; Lester W. Hall, 1901L, secretary, 304 Fidelity Trust Building, Kansas City, Mo.

Kentucky Association.—George G. Briggs, '88L, secretary, 711 Louisville Trust Co. Building, Louisville, Ky.

Louisiana Association.—Ralph J. Schwarz, A.M. 1904, 1905L, president; Leslie Brewer Smith, 1905, secretary and treasurer, 6024 Hurst Street, New Orleans, La.

Madison (Wisconsin) Association.—John L. Kind, Ph.D. 1905, president, University of Wisconsin, Madison, Wis.

Michigan Association.—E. Taylor Tappey, '79M, president; Theodore A. McGraw, Jr., 1902M, secretary, 73 Cass Street, Detroit, Mich.

Minnesota Association.—Cornelius Williams, '74M, president; William A. Schaper, A.M. '98, Ph.D. 1901, secretary and treasurer, University of Minnesota, Minneapolis, Minn.

Nashville Association.—Paul F. Eve, '80M, president; Eugene Tavenner, 1901, A.M. 1903, secretary, Peabody College, Nashville, Tenn.

Nebraska Association.—Victor Rosewater, '93, president; William F. Milroy, '82M, secretary and treasurer, Omaha, Neb.

New England Association.—Frederick R. Kneeland, '98S, president; Franklin S. Hoyt, A.M. 1905, secretary and treasurer, care Houghton, Mifflin & Co., 4 Park Street, Boston, Mass.

New Jersey Association.—Ruford Franklin, '86, president; Arthur F. Egner, 1903, A.M. 1905, secretary, Prudential Building, Newark, N. J.

North Carolina Association.—Charles L. Raper, Ph.D. 1902, president, University of N. C., Chapel Hill, N. C.; Henry J. Highsmith, T.C., secretary and treasurer, Wake Forest College, Wake Forest, N. C.

Ohio (Northern) Association (Cleveland).—H. G. Sherman, '80M, president; Paul L. Haworth, Ph.D. 1906, secretary and treasurer, care the Burrows Company, Cleveland, Ohio.

Ohio (Central) Association (Columbus).—Organization in-

formal. Address Professor F. P. Graves, Ohio State University, Columbus, O.

Philadelphia Association.—Lemuel Whitaker, '81, Southern High School, Philadelphia, Pa., president; Stanley Kidder Wilson, 1902, secretary-treasurer, St. James Hotel, Philadelphia, Pa.

Pittsburgh Association.—Dr. Frank Schlesinger, A.M. '97, Ph. D. '98, president, Allegheny Observatory, Allegheny, Pa.; E. W. Barthberger, 1900Arch, secretary and treasurer, 1014 Westinghouse Building, Pittsburgh, Pa.

St. Louis Association.—Hon. Julius S. Walsh, '64L, president; George M. Tuttle, '88, '91M, secretary and treasurer, 4519 Washington Avenue, St. Louis, Mo.

Virginia Association.—M. A. Martin, A.M. 1905, president, Woman's College Richmond, Va.; Jackson Davis, A.M. 1908, secretary and treasurer, Henrico Court House, Richmond, Va.

Washington Association.—J. Y. C. Kellogg, 1906L, president, Baily Building, Seattle, Wash.

Western New York Association.—Charles C. Farnham, '89L, president, Mutual Life Building, Buffalo, N. Y.

Wisconsin Association.—J. E. Friend, '78L, president; H. W. Buemming, '95Arch, secretary, 521 Jackson Street, Milwaukee, Wisconsin.

DIVISIONAL AND DEPARTMENTAL STATEMENTS

INTRODUCTORY

The courses of instruction are numbered in accordance with a plan uniform throughout the University and attention is called to the following information which the number assigned to a course will in each case indicate:

Odd numbers indicate the first, even numbers the second half of the academic year. Courses designated 1-2, 21-22, etc., run through both half-years; courses designated 1-4, 5-8, etc., run through two complete academic years. Courses numbered between 1 and 100 are, in general, elementary and may not be offered in fulfilment of the requirements for the higher degrees (A.M. and Ph.D.). Courses numbered from 101-200 are primarily for students who hold a first degree but are open to undergraduates who have completed 72 points (for courses in law 94 points), including all prescribed work. In general no such course may be taken without some elementary training in the same or in some allied subject. Courses from 201-300 are restricted to such graduate students as are qualified to pursue the work to advantage. Seminars are numbered from 301 up. Attention is called to the *Announcement of the Faculties of Political Science, Philosophy, and Pure Science*, and particularly to the fact that the requirements for the higher degrees are based upon subjects and not upon courses. Students who wish to offer a subject either as a major or minor should, before registration, consult the officers of instruction concerned with regard to their selection of courses.

Courses enclosed in brackets are not offered during 1908-09, and any other course not applied for by at least three candidates for a degree may be withdrawn by the instructor.

Any subject of study not appearing in its alphabetical order may be found through the index.

With the exception of the courses in Mines, Engineering, Chemistry, Medicine, and Law, all courses numbered over 101 are open to women upon the same terms as to men, unless specific statement is made to the contrary.

Unless otherwise stated, the number of hours given indicates the hours of classroom work (lectures, conferences, and recitations) per week. When a course involves both classroom work and laboratory or draughting-room work the former will be indicated by *C* and the

latter by *L* and *D*, respectively. An "afternoon" implies three hours a day, normally from 1:00 to 4:00.

Students should note the distinction between a department and a school. For instance, there is in the University both a Department of Architecture and a School of Architecture; Departments of Civil, Electrical, and Mechanical Engineering and a School of Engineering. The Departmental Statements which follow have to do only with the giving of the instruction and the opportunities for research in each special branch of study. The information as to the conditions of admission to the courses, and the academic credit to be received therefor, will be found under the information relating to Colleges and Schools, pages 186 *et seq.*, and in the separately printed *Announcements*.

For the courses to be offered in fulfilment of the requirements for the degrees of Bachelor of Arts or Bachelor of Science, see pages 186 and 329; Bachelor of Laws, see page 209; Doctor of Medicine, see page 231; for the several degrees in mining, engineering, and chemistry, see pages 246-250; and for Fine Arts—architecture, music, and design,—see pages 307, 313, and 315.

It is not possible, within the limits of this volume, to give more than the briefest outline of the courses. In some one of the *Bulletins of Information* published by the University, and distributed without charge upon application to the Secretary, a detailed statement will be found of the scope of each course, the manner of treatment, the courses prerequisite, and the like. A list of the *Bulletins* will be found on page 33.

Attention is also called to the fact that, in addition to the following, many courses are offered in the Summer Session and in Extension Teaching. Full information as to these will be found in the *Bulletins* of the Summer Session and of Extension Teaching.

Anatomy

GEORGE SUMNER HUNTINGTON, M.D., Sc.D., LL.D.....	<i>Professor</i>
BERN BUDD GALLAUDET, M.D.....	<i>Adjunct Professor</i>
H. VON W. SCHULTE, M.D.....	<i>Adjunct Professor</i>
WILLIAM DARRACH, M.D.....	<i>Associate</i>
FREDERICK T. VAN BEUREN, Jr., M.D.....	<i>Associate</i>
C. R. L. PUTNAM, M.D.....	<i>Demonstrator</i>
FREDERICK TILNEY, M.D.....	<i>Demonstrator</i>

None of the courses of the Department of Anatomy are open to women.

Courses

See introductory paragraphs, page 55

51-52—Vertebrate morphology—Anatomy of the body cavities—

Visceral and topographical course—Thorax and abdomen. Lectures combined with demonstrations. 3 hours. Professor HUNTINGTON

53-54—Demonstrations to sections of the class—(A) Cranial osteology. 2 hours, first quarter. Professor SCHULTE. (B) Syndesmology, myology, angiology of head and neck, peripheral nervous system of neck. 2 hours, second quarter. Professor GALLAUDET. (C) Cranial nerves, rhombencephalon and mesencephalon. 1 hour, second half year. Professor SCHULTE

66-67—Demonstrations to sections of the class—Anatomy of the central nervous system. 2 hours. Professor SCHULTE

55-56—Demonstrations to sections of the class—Osteology, syndesmology, myology, peripheral nervous system, and angiology of the extremities. Pharynx, larynx. 2 hours. Drs. DARRACH and VAN BEUREN

These courses are so arranged as to maintain, with reference to the subjects treated, a direct connection with the laboratory course in dissection, 57-58

57-58—Laboratory course—Dissection of the human body. Minimum requirement 3 periods of 4 weeks each. Professors HUNTINGTON, GALLAUDET, SCHULTE, the ASSOCIATES and DEMONSTRATORS of ANATOMY

59-60—Laboratory course—Dissection of the human body. Minimum requirement 4 periods of 4 weeks each. Professors HUNTINGTON, GALLAUDET, SCHULTE, the ASSOCIATES and DEMONSTRATORS of ANATOMY

63-64—Demonstrations to sections of the class and conferences—Visceral anatomy. Direct examination and demonstration of the preparations serving to illustrate Course 51-52. 1 hour. Professor HUNTINGTON

66—Course in mammalian morphology—Introductory to physiology. 2 hours a week for one half-year. Dr. VAN BEUREN

Research

117-118—The laboratory of animal morphology is open for research under the direction of the professor, to advanced workers. Professors HUNTINGTON and SCHULTE

Optional Courses

61-62—Anatomy of mouth, larynx, pharynx, auditory apparatus. 3 hours per week in second half-year. Professor GALLAUDET

130—Cranial osteology. 1 hour per week in second half-year. Professor SCHULTE

119-120—Topographical anatomy of thorax. 1 hour per week in second half-year. Dr. PUTNAM

122—Topographical anatomy of the abdomen and pelvis. 2 hours.
Dr. DARRACH

123-124—Anatomy of the joints. 2 hours per week second half-year. Dr. VAN BEUREN

125-126—Development and comparative anatomy of the heart and vascular system. Professor HUNTINGTON

127-128—Development and comparative anatomy of the genito-urinary system. Professor HUNTINGTON

129-130—Development and comparative anatomy of the respiratory tract. Professor HUNTINGTON

In all courses offered in morphology the work is designed to be laboratory exercises of at least two continuous hours' duration, at any one exercise, supplemented in certain courses by demonstration and study of material contained in the Museum of Human and Comparative Anatomy and in the study collections of the department.

The time required for the above courses, if offered as minors for the degree of A.M. or Ph.D., or if taken as optionals, unless otherwise specified, is half a day per week from October to April.

The demands on laboratory space and teaching force render it necessary to limit the number of candidates admitted to these courses.

Anatomical Laboratories

The laboratory facilities of the Department of Anatomy are very complete. The large general dissecting-room accommodates from 390 to 546 students, working in groups of five or seven at one table.

The laboratory for advanced morphological research occupies the third story of the anatomical building. Every facility for advanced and research work in morphology is here extended. The established connections of the department furnish abundant human and comparative material, both mature and embryonal. The private library of the Professor of Anatomy is at the disposal of advanced workers.

Museum of Human and Comparative Anatomy

Much work has been done in the formation of a Museum of Human and Comparative Anatomy, the ultimate design of which is to present, in as complete a manner as possible, a view of the evolution of the forms of animal life, and of their natural relations both in series of natural groups and in the comparative and relative positions of organs and systems. Even the approximate attainment of this aim will require much time and work, but sufficient progress has been made to enable the department to offer great facilities for study and research. The collection, both as regards groups and the individual preparations, is designed for the illustration of both elementary and advanced

courses, and is largely used in the instruction of the medical undergraduates and in advanced study and research.

The second floor of the anatomical building has been furnished throughout with suitable exhibition and demonstration stands. It is the intention of the department to install in this space the portion of the collection most used in the medical courses, thus establishing an undergraduate teaching museum which will both increase the efficiency of the sectional demonstrations and render the material upon which they are based available at all times for study and research.

A study-collection of human osteological preparations is so administered as to enable every student to take out the different osteological series and retain them for private study as long as required.

Anthropology

FRANZ BOAS, Ph.D.....	<i>Professor</i>
LIVINGSTON FARRAND, A.M., M.D.....	<i>Professor</i>
MARSHALL H. SAVILLE.....	<i>Loubat Professor of American Archæology</i>
CLARK WISSLER, Ph.D.....	<i>Lecturer</i>
ADOLPH F. BANDELIER.....	<i>Lecturer in American Archæology</i>

Courses

See introductory paragraphs, page 55

1-2—Anthropology, general introductory course—Lectures, essays, and discussions. 2 hours. Professor FARRAND

101-102—General ethnography—Lectures, essays, and discussions. 2 hours. Professor BOAS

103-104—Prehistoric archæology—Lectures, essays, and discussions. 2 hours. Professor SAVILLE and Dr. BERKEY (of the Department of Geology)

105-106—Ethnology—Primitive culture—Lectures, papers, and discussions. 2 hours. Professor FARRAND

[107-108—Ethnography of America and Siberia. 2 hours. Professor BOAS]

109-110—Ethnography of Africa. 2 hours. Professor BOAS

115-116—Archæology of Mexico and Central America. 2 hours. Professor SAVILLE

117-118—American languages—Lectures and discussions. 2 hours. Professor BOAS

129-130—American languages—Advanced course. 2 hours. Professor BOAS

119-120—Morphology with special reference to Physical Anthropology. Professor HUNTINGTON. (Not open to women.)

121-122—Anthropometry. 2 hours lectures and 3 hours laboratory. Professor BOAS

[125-126—Early Spanish sources for American ethnography. 2 hours. Mr. BANDELIER]

127—Archæology of Peru. 1 hour one half-year. Mr. BANDELIER

301-302—Seminar in ethnology. 2 hours biweekly. Professor BOAS

201-202—Research work in anthropology. Professors BOAS, FARRAND, and SAVILLE

The collections and apparatus of the American Museum of Natural History may be used by students of Anthropology. The extensive collections of ethnological and archæological material in the Museum are utilized in connection with the lectures given in the department and are available for research work.

Architecture

ALFRED D. F. HAMLIN, A.M....*Professor of the History of Architecture*

FRANK DEMPSTER SHERMAN, Ph.B.....*Professor of Graphics*

CHARLES FOLLEN MCKIM, Litt.D.....*Director of Atelier*

THOMAS HASTINGS, Diplôme E.d.B.-A.....*Director of Atelier*

CHARLES A. HARRIMAN.....*Instructor in Architecture*

CHARLES P. WARREN, A.M.....*Instructor in Architecture*

JOHN V. VAN PELT, Diplôme E.d.B.-A...*Associate Director of Atelier*

WILLIAM A. DELANO, A.B., Diplôme E.d.B.-A...*Associate Director of Atelier*

HARVEY WILEY CORBETT, B.S., Diplôme, E.d.B.-A.....*Associate Director of Atelier*

FRANCIS A. NELSON, B.S., Diplôme, E.d.B.-A...*Lecturer in Architecture*

THOMAS W. LUDLOW, A.M.....*Lecturer in Architecture*

EDWARD R. SMITH, A.B.....*Curator of the Avery Library*

WILLIAM R. WARE, LL.D.....*Emeritus Professor of Architecture*

Courses

See introductory paragraphs, page 55

1—The elements of architecture. Mouldings, the orders, intercolumniation and superposition, balustrades, arcades, doors, windows, roofs, spires, vaults, domes. 2 hours, and work in drafting-room. Mr. HARRIMAN

2—Applied elements—Exercises in application of the orders and other features in elementary design. 15 hours. Mr. HARRIMAN

3—Architectural drawing—15 hours. Mr. HARRIMAN

5—Graphics—Shades and shadows, projections and intersections. C 3 hours, D 3 hours. Professor SHERMAN

6—Perspective. *C* 3 hours, *D* 3 hours. Twelve plates required. Professor SHERMAN

7—Descriptive geometry. *C* 3 hours, *D* 3 hours. Twelve plates required. Professor SHERMAN

8—Stereotomy. *C* 3 hours, *D* 3 hours. Professor SHERMAN

9-10—Graphical analysis—Applications of graphical methods to mathematical computations. 2 hours. Professor SHERMAN. (Optional)

11-12—Specifications. 2 hours. Mr. WARREN

13-14—Building materials. *C* 2 hours, *D* 3 hours. Mr. WARREN

15-16—Elementary structural design. *C* 2 hours, *D* 3 hours. Mr. WARREN

17-18—Engineering—Graphical statics and applied mechanics; structural problems. *C* 3 hours, *D* 3 hours. Mr. WARREN

21-22—Ancient architectural history. 2 hours. Mr. LUDLOW

23-24—Mediæval architectural history. *C* 2 hours, with collateral reading (see 43-44), and 15 hours original research for six weeks. Exercises in historical design (see 61-64). Professor HAMLIN and Mr. LUDLOW

24a—Architectural essays—Papers prepared in connection with research on mediæval history. Professor HAMLIN

25-26—Modern architectural history—The Renaissance and modern architecture. *C* 2 hours and 15 hours research for six weeks. Exercises in historical design (see 61-64). Professor HAMLIN and Mr. LUDLOW

26a—Architectural essays—Papers prepared in connection with research on modern history. Professor HAMLIN

31-32—History of ancient ornament. 1 hour. Mr. LUDLOW

33-34—History of mediæval ornament. 1 hour, with exercises in decorative design. Professor HAMLIN

35-36—History of modern ornament—Renaissance and modern ornament. 1 hour, with exercises in decorative design. Professor HAMLIN

41-42—Historical reading in French (in connection with 21-22). 2 hours.

[43-44—Historical reading in French and German (in connection with 23-24). 2 hours. (Not given in 1908-1909.)]

51-52—Theory of architecture—Planning and composition. 1 hour. Professor HAMLIN and others

53—Theory of decorative arts—1 hour. Professor HAMLIN and others

54—Theory of color. 1 hour. Professors HAMLIN and HALLOCK

55—Theory of professional practice. 1 hour. Professor HAMLIN and others

61-62—Elementary design—Exercises chiefly in composition of exteriors. 15 hours, first half-year, and for 9 weeks of second half-year. 1, 2, and 3 prerequisite. Professors MCKIM and HASTINGS, Messrs. VAN PELT, DELANO, CORBETT, and NELSON

63-64—Intermediate design—Problems and sketch designs, including both planning and composition. 15 hours, first half-year, and for 9 weeks of second half-year (see 161 and 261; 61-62 prerequisite). Professors MCKIM and HASTINGS, Messrs. CORBETT, VAN PELT, DELANO, and NELSON

71-72—Freehand drawing—Elementary course. 6 hours. Mr. HARRIMAN

72a—Summer work—Drawings and designs to be executed during the summer vacation following the first year of residence

73-74—Freehand drawing—Intermediate course; water colors and modelling. 6 hours. Mr. HARRIMAN and Mr. SMITH

74a—Summer work—Drawings and designs to be executed during the second summer vacation

75-76—Drawing from the cast. 6 hours. Mr. HARRIMAN

76a—Summer work—Drawings and designs to be executed during the third summer vacation

113-114—Advanced practice. D 6 to 12 hours, in connection with 117-118. Mr. WARREN

117-118—Advanced engineering design and calculation (in connection with 113-114). 24 hours. Mr. WARREN

128—Advanced essays—Summer vacation essay; thesis dissertation previous to graduation

161-162—Advanced design. 20 to 30 hours. (63-64 prerequisite.) Professors MCKIM and HASTINGS, Messrs. VAN PELT, DELANO, CORBETT, and NELSON

164—Thesis—Advanced design or research; drawings with accompanying dissertation. 20-30 hours for 8 to 12 weeks previous to graduation. Professors MCKIM and HASTINGS, Messrs. VAN PELT, DELANO, CORBETT, and NELSON

177-178—Advanced drawing—From the antique and from life. 6 hours (at the studios of the National Academy of Design)

213-214—Graduate course in practice—Original investigations and accompanying reports. 6 hours. Mr. WARREN

217-218—Graduate course in engineering—Four advanced problems in structural design. 20 to 30 hours. Mr. WARREN

221-222—Graduate essays—Original research with accompanying reports. 4 to 6 hours. Professor HAMLIN

261-262—Graduate design—Advanced problems, etc. 20 to 30 hours. Professors MCKIM and HASTINGS, Messrs. VAN PELT, DELANO, CORBETT, and NELSON

Astronomy

HAROLD JACOBY, Ph.D.....*Rutherford Professor*

CHARLES LANE POOR, Ph.D.....*Professor*

S. ALFRED MITCHELL, Ph.D.....*Adjunct Professor*

Courses

See introductory paragraphs, page 55

1-2—General astronomy—Historical and descriptive. 2 hours. Professor MITCHELL, and for work in the Wilde Observatory, Professor JACOBY.

103-104—Spherical and practical astronomy—A more mathematical treatment, including practical use of instruments. 2 hours lectures and 2 hours observatory work. Professor JACOBY

105—Geodesy—Brief history of geodetic operations and description of instruments, including their adjustment and use. 3 hours. Professor MITCHELL

106—Geodesy—Applications of practical astronomy to geodetic surveying. 1 hour lecture and 3 hours laboratory. Professor MITCHELL

5107—Geodesy—Summer course in practical geodesy. Given in the field, each student making his own observations and calculations

Five weeks of practical work from July 10, at Camp Columbia, Morris, Conn. Professors JACOBY and MITCHELL with assistants

201-202—Advanced spherical and practical astronomy. 2 hours lectures and 4 hours observatory work for two years. Professor JACOBY

203-204—Theoretical astronomy—Theory of comet orbits with practical applications. 1 hour, supplemented by computation, for two years. Professor POOR

205-206—Theory and method of reduction of photographic star plates—Determination of star places. 1 hour, with practical work, for two years. Professor JACOBY

207-208—Method of least squares, with applications to astronomy and geodesy. 1 hour. Professor JACOBY

209-210--Celestial mechanics—Elementary course. 1 hour. Professor POOR

211-212—Advanced course in celestial mechanics. 1 hour for one or two years. Professor POOR

213-214—Astronomical spectroscopy. 1 hour supplemented by laboratory work. Professor MITCHELL

Astronomical and Geodetic Equipment

The new Wilde Observatory contains an equatorial telescope, with clockwork and accessories. The University has also a very complete collection of instruments for the application of astronomy to geodesy, including a Bamberg universal combined prismatic transit and zenith telescope of 4-inch aperture; a Wanschaff zenith telescope of 8-cm. aperture, suitable for latitude measures of the highest precision; two Wanschaff 8-inch microscope theodolites; two Fauth 8- and 10-inch microscope theodolites; secondary bar base and tape base apparatus, with stretching machines; complete outfit of engineer's instruments, sextants, apparatus for barometric hypsometry, clocks, chronometers, electric chronographs, etc.; five computing machines.

For the advanced study of astronomy proper, there are special facilities including two Repsold measuring machines of the latest type and a large collection of original astronomical photographs suitable for measurement and reduction. These photographs were made by Gill at the Cape of Good Hope, Rutherford at New York, Donner at Helsingfors, Henry at Paris, Campbell at Mt. Hamilton, etc. Ample funds are provided for the publication of researches in astronomical photography. (See University Bibliography.) For research work in astrophysics students have access to the well-equipped laboratories of the Department of Physics, and there is also a collection of spectrograms photographed with the 40-inch telescope of the Yerkes Observatory and two machines for measuring them.

In addition, there are a number of unmounted instruments including Lewis Morris Rutherford's famous 13-inch equatorial, with its attachments.

The University Library is especially strong in astronomy. Among other important collections, it contains the private library of the late Dr. Otto Struve, formerly director of the Pulkowa Observatory. There is also a good working library in the department.

Bacteriology and Hygiene

PHILIP HANSON HISS, Jr., M.D..... *Professor of Bacteriology*
 AUGUSTUS B. WADSWORTH, M.D..... *Associate in Bacteriology*
 HANS ZINSSER, M.D..... *Instructor in Bacteriology and Hygiene*
 DAVID GORDON ALLEN, M.D.. *Assistant in Bacteriology and Hygiene*

Close association is maintained between this department and the Departments of Pathology and Clinical Pathology, so as to facilitate instruction and research in these closely allied subjects.

Courses

For the significance of course numbers see page 55

51—Practical instruction in bacteriology and hygiene, especially adapted to the requirements of students of medicine. 4 hours. Professor HISS and Drs. WADSWORTH, ZINSSER, and ALLEN

201—Special laboratory course in advanced bacteriology and bacteriological technique. Afternoons in November, December, and January. Professor HISS and Drs. WADSWORTH and ZINSSER

203—Special laboratory course—as under Course **201**—with additional time for the study of known species of bacteria, their chemical products, and photomicrography; and original investigation. Professor HISS and Drs. WADSWORTH and LEAMING

Research

Research may be pursued in the laboratories of this department by a limited number of properly qualified, advanced workers, under the direction of the Professor.

Equipment

The Department of Bacteriology occupies the western section of the fifth floor of the north wing of the building of the College of Physicians and Surgeons. It comprises a large laboratory for the accommodation of the undergraduate and advanced classes in bacteriology, a research laboratory for special advanced workers, and rooms thoroughly equipped for the preparation of culture media and for the chemical study of bacterial products.

The laboratories are well equipped with all necessary apparatus and with cold-storage facilities. A large collection of bacterial species is kept under cultivation.

Biological Chemistry

WILLIAM J. GIES, M.S., Ph.D.....	<i>Professor</i>
NELLIS B. FOSTER, M.D.....	<i>Associate</i>
MATTHEW STEEL, M.S., Ph.D.....	<i>Instructor</i>
ARCHIBALD E. OLPP, M.D.....	<i>Instructor</i>
HERMAN O. MOSENTHAL, M.D.....	<i>Assistant</i>
WALTER H. EDDY, A.M.....	<i>Assistant</i>
ALFRED P. LOTHROP, A.M.....	<i>Assistant</i>

See preliminary paragraphs, page 55

Course in Organic Chemistry

51—Organic chemistry. Lecture, 2 hours. R 2 hours, each section

(2). *L* 6 hours, each section (2). Professor GIES, Drs. OLPP and STEEL, and Mr. LOTHROP

Courses in Physiological Chemistry

102—General physiological chemistry. Lecture, 1 hour. *R* 1 hour, each section (2), and *L* 6 hours, each section (2). Professor GIES, Drs. FOSTER, MOSENTHAL, STEEL, and OLPP

104—Elementary physiological chemistry. Lecture 1 hour. April and May (School of Pharmacy). Professor GIES

201-202—Chemistry of digestion and assimilation. Lecture, 1 hour. (School of Pharmacy.) Professor GIES

203-204—Laboratory course in quantitative physiological chemistry with special reference to clinical methods. 6 hours. Professor GIES, Drs. STEEL and OLPP and Messrs. EDDY and LOTHROP

205-206—Laboratory course in advanced physiological and pathological chemistry. Research. 12 hours. Professor GIES and Drs. STEEL and OLPP and Messrs. EDDY and LOTHROP

Course in Toxicological Chemistry

207-208—Laboratory course in toxicological chemistry. 6 hours. Professor GIES

Course in Botanical Chemistry

209-210—Laboratory course in the chemical physiology of plants. 6 hours. Professor GIES. (The course may be taken in whole or in part at the New York Botanical Garden, where Professor GIES is consulting chemist.)

Course in Co-operation with the Department of Physiology

In addition to the courses referred to above Professor GIES co-operates with Professor BURTON-OPITZ in giving Course 1-2 in Physiology.

Biochemical Seminar

301-302—The members of the teaching staff and all other investigators in the department meet weekly to study and discuss the results of recent researches in chemical biology. The Seminar is open to all students in the University. Thursdays, 4 P.M., 2 hours. Professors GIES in charge.

Research

The laboratory is open to advanced workers for research. Professor GIES consults regularly with investigators in the department of Zoölogy, and at the N. Y. Botanical Garden, on Friday afternoons.

Library

Professor GIES's library occupies a room adjoining the laboratory at the medical school and is accessible by appointment to all students in the University.

Equipment

The headquarters of the Department of Biological Chemistry are situated at the College of Physicians and Surgeons, where six rooms are well equipped for experimental work in biological chemistry. Two of the rooms are relatively large and will each accommodate about seventy workers at a time. Four smaller rooms are specially fitted up for original investigations by advanced students.

A small laboratory in Schermerhorn Hall has been equipped for research in biological chemistry to be carried out in co-operation with the Department of Zoölogy. Similar provision has been made in Fayerweather Hall for biochemical research in collaboration with workers in the Department of Physics.

Special facilities have been provided at the New York Zoölogical Park for research there in biological chemistry under the direction of the head of this department.

The laboratories of the New York Botanical Garden are open to students of biological chemistry.

Botany

CARLTON CLARENCE CURTIS, Ph.D.....	<i>Adjunct Professor</i>
HERBERT MAULE RICHARDS, Sc.D.	<i>Professor in Barnard College</i>
TRACY ELLIOT HAZEN, Ph.D.....	<i>Instructor in Barnard College</i>
JEAN BROADHURST, B.S.....	<i>Instructor in Teachers College</i>
MARION ELIZABETH LATHAM, A.M.....	<i>Tutor in Barnard College</i>
CHESTER ARTHUR DARLING, A.M.....	<i>Tutor</i>
MARGARET A. KINGSLEY, A.B.....	<i>Assistant in Barnard College</i>

Certain graduate courses at the New York Botanical Garden are also given, either wholly or in part, by the following members of the Garden Staff:

NATHANIEL LORD BRITTON, Ph.D., Sc.D.....	<i>Director</i>
WILLIAM ALPHONSO MURRILL, Ph.D.....	<i>First Assistant</i>
JOHN KUNKEL SMALL, Ph.D.....	<i>Head Curator of the Museums</i>
FRED JAY SEAVER.....	<i>Director of the Laboratories</i>
PER AXEL RYDBERG, Ph.D.....	<i>Curator</i>
ARTHUR HOLLICK, Ph.D.....	<i>Curator</i>
MARSHALL AVERY HOWE, Ph.D.....	<i>Curator</i>
GEORGE VALENTINE NASH.....	<i>Curator of the Plantations</i>
HENRY HURD RUSBY, M.D.....	<i>Dean of the College of Pharmacy and Curator of Economic Collections</i>

WILLIAM J. GIES, M.S., Ph.D. . . . *Professor of Physiological Chemistry and Consulting Chemist, New York Botanical Garden*

Partial courses are also given by:

ELIZABETH GERTRUDE BRITTON

EDWARD SANDFORD BURGESS, Ph.D.

The undergraduate courses in Botany are designed to give a broad general knowledge during the first year, and to permit some specialization thereafter. Graduate courses imply the completion of the equivalent of two to three years of undergraduate work.

Courses

See preliminary paragraphs, page 55

1-2—Nature and development of plant life. C 2 and L 4 hours. Professor CURTIS and Mr. DARLING

3-4—Plant morphology. C 2 and L 4 hours. Professor CURTIS and Mr. DARLING

5—Problems in botanical technique. L 6 hours. Designed for teachers and medical students. Dr. CURTIS

6—Economic botany. C 1, L 3 hours.

7—Growth and character of timber. C 1, L 3 hours. Professor CURTIS and Mr. DARLING

101-102—Plant physiology. A course in experimental physiology supplemented by selected readings and conferences. 2 laboratory sessions. Professor CURTIS and Mr. DARLING

113-114—Morphology of the higher plants. Study of the orders, including the structure and relationship of plants. Professor CURTIS and Mr. DARLING

115-116—Morphology of the lower plants, with special reference to the structural features, diagnostic characters and relationships of the principal orders. Professor CURTIS and Mr. DARLING

201-208—Physiology. Lines of work dealing with various problems in plant physiology, such as the relation of structure and function, growth, the irritable mechanism of the plant, and the permanent adaptive reactions to environmental factors. Professor RICHARDS and Professor CURTIS

209-210—Physiology of nutrition—treated from a chemical standpoint. Professor RICHARDS and Professor GIES

211-212—Plant pathology. Diseases induced by cryptogamic parasites, including work in culture methods. Dr. MURRILL and Mr. SEAVER

217-218—Embryology of spermatophyta. With special work during two summers. Professor CURTIS and Dr. HAZEN

219-226—Morphology. Work dealing with morphological problems in the various groups of plants. Directed by members of the department and Botanical Garden staff.

227-234—Taxonomy.—Critical study of a family, genus, or other group selected from any division of the plant world. Directed by members of the Botanical Garden staff.

235-238—Plant distribution. Problems dealing with regional botany or plant geography. Professor BRITTON and other members of the staff.

239-240—Developmental taxonomy—Fossil ancestors of some family of plants. Dr. HOLLICK

301-302—SEMINAR.—A seminar is held monthly at the botanical laboratory in Schermerhorn for critical discussion.

CONVENTION—A botanical convention is held monthly at the library of the New York Botanical Garden, where members of the staff and students either present the results of their own work or review the progress of botanical research and publication elsewhere.

In Barnard College

51-52—Principles of plant morphology and physiology—5 hours, lectures, demonstrations, and laboratory work. Professor RICHARDS, Miss LATHAM, and Miss THOMPSON

53-54—General morphology and development of plants—C 2, L 4 hours. Dr. HAZEN and Miss THOMPSON

Two additional hours of laboratory work may be taken, in which case Botany 53-54 will count as five points.

55-56—Morphology and classification of spermatophytes—With practice in determination of species. 4 or 6 hours. Dr. HAZEN

153—Anatomy of vascular plants—C 2 and a minimum of L 6 hours. Professor RICHARDS and Miss LATHAM

[**154**—Physiology of plants from standpoint of nutrition—C 2 and a minimum of L 6 hours. Professor RICHARDS and Miss LATHAM]

156—Physiology of plants from standpoint of growth—C 2 and a minimum of L 6 hours. Professor RICHARDS

158—Structure and development of algæ—Advanced course. C 1, L 6 hours. Professor RICHARDS and Dr. HAZEN

159—Structure and development of fungi—Advanced course. C 1, L 6 hours. Professor RICHARDS

Courses 158 and 159 are not usually given the same year.

160—Developmental anatomy—Practice in methods of technique. 8 hours of laboratory work with occasional lectures and outside reading. Professor RICHARDS

161-162—Advanced physiology and morphology. Work will be arranged to suit the needs of the students. Professor RICHARDS and Dr. HAZEN

Equipment

The Department of Botany occupies the third floor of Schermerhorn, and the laboratories and lecture-rooms are thoroughly equipped with apparatus and material for morphological and physiological work.

Similar opportunities are offered to women in the laboratories at Barnard College.

By the agreement entered into between the University and the Garden, the herbarium and library of the University (except such works as are needed in the undergraduate courses) have been deposited in the Museum of the Botanical Garden at Bronx Park; the Garden on its part supplies all needed facilities for research for members of the staff and for properly accredited students. This combination of forces not only places the Department of Botany within reach of material, equipment and collections not otherwise available, but opens up facilities for research work under conditions that are not excelled.

The Museum of the New York Botanical Garden is located in Bronx Park, and its entire upper floor is devoted to research. The physiological and morphological laboratories occupy the western end, and the taxonomic laboratories and herbarium the eastern end. Among the special features provided are to be mentioned the dark rooms, photographic, operating, and balance room, and laboratory for physiological chemistry. Ample opportunity for experimental work is afforded by the open-air plantations and extensive horticultural houses, and the aggregation of collections available for students is exceptionally full in every group of plants.

The library comprises over 20,000 volumes in addition to complete sets of the important botanical journals, which now number over one hundred.

Chemistry

CHARLES F. CHANDLER, M.D., Ph.D., LL.D., Sc.D... *Mitchill Professor of Chemistry*

CHARLES E. PELLEW, E.M..... *Adjunct Professor of Chemistry*

MARSTON TAYLOR BOGERT, A.B., Ph.B., *Professor of Organic Chemistry*

J. LIVINGSTON RUTGERS MORGAN, Ph.D..... *Professor of Physical Chemistry*

JAMES S. C. WELLS, Ph.D... *Adjunct Professor of Analytical Chemistry (Qualitative)*

HENRY C. SHERMAN, Ph.D..... *Professor of Organic Analysis*

SAMUEL A. TUCKER, Ph.B..... *Adjunct Professor of Electro-Chemistry*

MARIE REIMER, Ph.D.....	<i>Instructor in Chemistry (Barnard)</i>
EVERETT J. HALL.....	<i>Instructor in Assaying</i>
FLOYD J. METZGER, Ph.D.....	<i>Instructor in Analytical Chemistry</i>
CAVALIER HARGRAVE JOÛET, Ph.D.....	<i>Tutor in Analytical Chemistry</i>
ARTHUR C. NEISH, Ph.D.....	<i>Tutor in Chemistry</i>
CHARLES H. ELLARD, A.M..	<i>Tutor in Analytical Chemistry (Qualitative)</i>
HAL T. BEANS, Ph.D.....	<i>Tutor in Analytical Chemistry (Qualitative)</i>
ELEANOR KELLER, A.B.....	<i>Tutor in Chemistry (Barnard)</i>
OTTO KRESS, A.M.....	<i>Tutor in Chemistry</i>
JOHN M. NELSON, Ph.D.....	<i>Tutor in Organic Chemistry</i>
WILLIAM C. UHLIG, Ph.D.....	<i>Assistant in Analytical Chemistry</i> <i>(Qualitative)</i>
ALFRED HOFFMAN, Ph.D.....	<i>Assistant in Organic Chemistry</i>
ANNIE L. MACLEOD, M.Sc.....	<i>Assistant in Chemistry (Barnard)</i>
DORRIS WHIPPLE, B.S.....	<i>Assistant in Analytical Chemistry</i>
FAREL L. JOUARD, Ph.D.....	<i>Assistant in Electrochemistry</i> <i>.....Assistant in Physical Chemistry</i>

Courses

	Undergraduates only.	Graduates and Undergraduates.	Graduates only.
General and inorganic.....	1-19	100-119	200-219
Physical.....	20-39	120-139	220-239
Organic.....	40-59	140-159	240-259
Analytical and food.....	60-79	160-179	260-279
Industrial.....	80-99	180-199	280-299

See preliminary paragraphs, page 55

Courses given in Havemeyer Hall, numbered between 100 and 200, may be closed to women in the discretion of the Instructor.

1 or 2—General elementary chemistry. C 3 hours, L 2 afternoons, one half-year. Given both half-years. Dr. NEISH

3-4—General inorganic chemistry. 3 lectures and 1 recitation. Professor CHANDLER, Mr. KRESS, and others

7-8—Inorganic chemistry. C 2 hours, L second half-year only, 5 afternoons. Professor CHANDLER

101-102—Advanced inorganic chemistry. 2 hours. Professor PELLEW

21-22—Elementary physical chemistry. C 3 hours, second half-year only, L 1 afternoon throughout the year. Professor MORGAN and Assistant

37—Theoretical electrochemistry. 2 hours. Professor MORGAN

23-24—Physical Chemistry, *C* 2 hours throughout the year, *L* 5 afternoons, second half-year only. Professor MORGAN

121-122—Physical chemistry, general course. *C* 3 hours throughout the year, *L* 1 afternoon, first half-year only. Professor MORGAN and Assistant

221-222—Advanced physical chemistry, laboratory course. Conferences, and *L* at least 16 hours. Professor MORGAN

223-224—Advanced physical chemistry, research. Laboratory work and conferences. Professor MORGAN

61 or 62—Qualitative analysis. *C* 4 hours, *L* 15 hours. Professor WELLS, Mr. ELLARD, and Drs. BEANS and UHLIG

65—Quantitative analysis, inorganic, short course for Electrical Engineering. *C* 2 hours, *L* 6 hours. Dr. METZGER and Dr. JOÛET

66—Quantitative analysis, inorganic, for Mining Engineering. *C* 3 hours, *L* 18 hours. Dr. METZGER, Dr. JOÛET and Assistant

161-162—Quantitative analysis, short course. 1 lecture and 8 hours laboratory work. Dr. METZGER and Assistant

163-164—Quantitative analysis. *C* 4 hours, *L* 12 hours. Dr. METZGER and Dr. JOÛET

167-168—Advanced inorganic analysis. *C* 2 hours, *L* 15 hours second half-year for students in the course in Chemistry who elect thesis work in this course. Dr. METZGER

261-262—Quantitative analysis—Special methods, gravimetric, volumetric, and electrolytic. Conferences and laboratory work at least 16 hours. Dr. METZGER

263-264—Research. Conferences and laboratory work. 20 hours. Original investigation in inorganic analysis or inorganic chemistry. Dr. METZGER

171—Quantitative analysis, organic and sanitary. *C* 4 hours, and *L* practice 3 to 6 afternoons. Professor SHERMAN and Assistant

173-174—Advanced organic analysis. *C* 2 hours, *L* second half-year, 5 afternoons, for students who elect thesis work in this course. Professor SHERMAN

176—Chemistry of food and nutrition. 3 hours. Professor SHERMAN

271-272—Special methods of organic analysis and food investigation. Conferences and laboratory work 12 hours. Professor SHERMAN

273-274—Research. Conferences and laboratory work 20 hours. Original investigation in organic analysis or food chemistry. Professor SHERMAN

69 or 170—Assaying—Ores and metallurgical products. *C* 2 hours,

L 3 afternoons, 12 hours, first half-year for Mining Engineering and Metallurgy, second half-year for Chemistry. Mr. HALL

160—Special methods of assaying ores, alloys, and furnace products—Comparison of methods and determination of losses. Conferences and laboratory work at least 8 hours. Mr. HALL

41-42—Organic chemistry, elementary lecture course. 2 hours. Dr. NELSON

43-44—Organic chemistry, elementary laboratory course. 8 hours. Drs. NELSON and HOFFMAN

141-142—Organic chemistry—Comprehensive treatment of the subject. 4 lectures and 1 recitation, *L* first half-year, 4 afternoons. Professor BOGERT and Drs. NELSON and HOFFMAN

143-144—Organic chemistry. Conferences, 2 hours, and for students who elect thesis work in organic chemistry *L* second half-year, 5 afternoons. Professor BOGERT

241-242—Advanced organic chemistry, laboratory course. 12 hours. Professor BOGERT

243-244—Advanced organic chemistry, research. Professor BOGERT

81-82—Industrial chemistry, general course. 3 lectures. Professor CHANDLER and Mr. KRESS

83-84, 85-86—Industrial chemistry, special course for students in chemistry. 3 lectures for two years, one half the subject being discussed each year. Professor CHANDLER and Mr. KRESS

87 or 88—Industrial chemistry, laboratory practice for students in chemistry. 3 afternoons. Professor PELLEW

89—Industrial chemistry, laboratory practice for students in chemistry. Special applications. 1 afternoon. Professor PELLEW

91-92—Chemical microscopy. *L* 4 hours. Professor PELLEW

93-94—Electrochemistry. 2 hours, and in the second half-year 5 afternoons. Professor TUCKER

97—Chemical factory apparatus and machinery. 3 hours. Professor PELLEW

[98—Cost of chemical operations in factories. 3 hours.]

181 or 182—Industrial electrochemistry, laboratory practice. The equivalent of 5 afternoons. Professor TUCKER

295-296—Industrial chemistry, advanced course—Original research. Personal instruction and laboratory work. Professor PELLEW

281-282—Electrochemical research—Original investigations. 16 hours. Professor TUCKER

283-284—Advanced electrochemical research. Private study and original investigations for two years. Professor TUCKER

80 (a)—Factory inspection and summer memoir, 2d year. Professor PELLEW

80 (b)—Factory inspection and summer memoir, 3d year. Professor PELLEW

Courses Given at Barnard College

The following courses are given separately at Barnard College: 5-6, by Miss REIMER and Miss KELLER; 135-136, by Professor MALTBY; 63, by Miss KELLER; 64, by Miss REIMER; 41-42, by Miss REIMER; 43-44, by Miss REIMER; 145-146, an advanced course in Organic Chemistry, by Miss REIMER.

Other Courses

For courses in Chemistry given at Teachers College and for courses in Chemistry and Physiological Chemistry given at the College of Physicians and Surgeons and at the College of Pharmacy, see the Table of Contents and the special *Announcements* of these Schools.

Equipment

In Havemeyer Hall the Chemical Department is provided with ample space for its museum, lecture-rooms, and laboratories, and every convenience has been provided for both the instructors and students working in the general or special courses.

There are five chemical lecture-rooms, all fully supplied with apparatus and instruments, the desks being equipped with pneumatic troughs, gas, pressure, exhaust, and electricity. The large chemical lecture-room on the ground floor contains 315 seats.

The Museum of General Inorganic and Organic Chemistry and of the Chemical Arts, a large room occupying the whole left wing of the ground floor, contains the elements and all their more important compounds, inorganic and organic; materials and products illustrating the chemical arts, and numerous models, pictures, and diagrams.

The Qualitative Laboratory has 112 desks, each divided into two sections, and each thoroughly equipped.

The Quantitative Laboratory has eighty-eight desks. Attached to the main laboratory is a large, well-equipped balance-room, containing accurate balances, and special rooms, provided with apparatus for gas, water, food, and electrolytic analysis.

The Assay Laboratory is provided with crucible and muffle furnaces, both gas and coal, for the fire assay of ores; also with crushing, pulverizing, and sampling machinery, balance-room, storeroom, and

thirty-six well-equipped working desks. It also contains all the apparatus necessary for the wet assay of silver bullion and for laboratory tests of ores.

The Organic Laboratory has forty large desks, provided with gas, water, exhaust, and electricity, and has special rooms for balances, pressure ovens, glass-blowing, and combustions.

The Laboratory of Industrial Chemistry, for the instruction of students in practical operations and the solution of problems in sanitary chemistry and hygiene, is equipped for the manufacture of pure chemicals from their raw materials on an industrial scale, with fine batteries of steam evaporators, and with steam stills, centrifugals, filter presses, crushers, and the like. It includes a dyeing laboratory with a large stock of dye-stuffs, and with the regular equipment for the practical testing of dyes, including a calico-printing machine. Connected with it is a photometer-room, containing a new and complete outfit for the practical testing of illuminants.

It also includes a laboratory for chemical microscopy, newly equipped with microscopes, polarized light apparatus, camera lucidas, etc., for the practical use of the microscope in chemical operations.

A new Laboratory for Practical Electrochemistry has been provided. The equipment consists of special motor-dynamos, one of which furnishes direct current at low voltages to the students' desks for general electrolytic work; the other provides heavy alternating current to the electric furnace room; this room is furnished with all appliances for electric furnace work. The students' desks are fitted with special switchboards and measuring instruments, and the laboratory has been arranged for carrying on research work in all branches of electrochemistry.

The Laboratory of Physical Chemistry is well equipped with the most recent apparatus adapted to a wide range of experimental work in the branches of heat, light, and electricity, etc., as applied to chemical problems.

The Chemical Library in Havemeyer Hall is supplied with an extensive collection of chemical books and journals, and is open from 9.00 A.M. to 5.00 P.M., and during the session of the University from 8.00 to 11.00 P.M.

The Department of Chemistry at Barnard College has laboratories well equipped with every facility for the proper study of the subjects offered. The desks have water, gas, and electricity.

There is a small library of useful reference books in chemistry to which the students have free access during the entire day.

The laboratories and lecture-room of Teachers College are well equipped for illustrating the teaching of Chemistry in secondary and normal schools. In these the chemistry classes of the Horace Mann School receive their instruction, and by observation and practical work

in connection with the classes the students in Education 92 are enabled to become familiar with the duties of a teacher of Chemistry.

Chinese

(See Oriental Languages)

Civil Engineering

WILLIAM HUBERT BURR, C.E.....	<i>Professor</i>
EARL BRINK LOVELL, C.E.....	<i>Professor</i>
IRA H. WOOLSON, E.M.....	<i>Adjunct Professor</i>
ADOLPH BLACK, C.E.....	<i>Adjunct Professor</i>
CHAS. E. MORRISON, C.E., A.M.....	<i>Tutor</i>
MYRON SAMUEL FALK, C.E., Ph.D.....	<i>Lecturer</i>
ELIHU CUNYNGHAM CHURCH, C. E.....	<i>Lecturer</i>
JAMES S. MACGREGOR, M.S.....	<i>Assistant</i>
FRANCIS S. FOOTE, Jr., E.M.....	<i>Assistant</i>
ADDISON COOKE ARMSTRONG, C.E.....	<i>Assistant</i>

Courses

See introductory paragraphs, page 55

2—Theory of plane surveying—for engineering students. 2 hours.
Professor LOVELL and Mr. FOOTE

15—Surveying practice—five weeks field work. Professor LOVELL and Assistants.

21—Road engineering. 2 hours. Mr. MORRISON

23—Theory of railroad surveying—for mining engineering students. 2 hours and one afternoon. Professor LOVELL and Mr. FOOTE

25—Surveying practice—for civil engineering students,—five weeks field work. Professor LOVELL and Assistants

26—Hydrographic surveying—combined with geodetic surveying and together require five weeks—for civil engineering students,—two weeks field and office work. Professor LOVELL and Assistants

27—Surveying practice—for mining engineering students,—five weeks field work. Professor LOVELL and Assistants

28—Railroad surveying—for mining engineering students,—three weeks field work. Professor LOVELL and Assistants

51-52—Theory of railroad location—for civil engineering students, 2 hours and one afternoon first half-year, 3 hours and one afternoon second half-year. Professor LOVELL and Mr. FOOTE

53-54—Resistance of materials theory. 3 hours and one afternoon. Professor BURR, Professor WOOLSON, Mr. MORRISON, and Mr. ARMSTRONG

55-56—Resistance of materials—testing laboratory. One afternoon
Professor WOOLSON and Mr. MACGREGOR

58—Masonry structures. 3 hours and one afternoon. Mr. MORRISON

59—Sanitary treatment of water-supplies and of sewage. 2 hours.
Professor BLACK

61—Theory of trusses. 2 hours and one afternoon. Mr. MORRISON

62—Graphic statics—for civil engineering students. 2 hours and
one afternoon. Mr. MORRISON

64—Graphic statics—for mining engineering students. 1 hour and
one afternoon. Mr. MORRISON

71—Railroad surveying—for civil engineering students,—four weeks
field work. Professor LOVELL and Assistants

75—Hydraulics—for civil engineering students. 3 hours and one
afternoon. Professor BLACK

76—Hydraulics—for mining engineering students. 3 hours (during
March, April, and May). Professor BLACK and Mr. MORRISON

77—Hydraulics—for electrical engineering students. 2 hours.
Professor BLACK and Mr. MORRISON

78—Hydraulics—for mechanical engineering students. 2 hours.
Professor BLACK

85—Foundations. 2 hours. Professor BURR

87-88—Design of bridges and buildings. 2 hours and two after-
noons. Professor BURR and Mr. MORRISON

89-90—Railroad engineering, construction, and operation. 3 hours
and one afternoon. Professor LOVELL and Mr. FOOTE

94—The design and construction of sewers and irrigation. 2 hours.
Professor BLACK

98—Water supply and river and harbor improvements. 2 hours.
Professor BLACK

100—Graduation thesis—a project or thesis on some civil engineer-
ing subject, approved by the head of the department, is required of
every candidate for the degree of Civil Engineer

Summer Courses in Surveying

These courses are conducted during sixteen weeks each summer vacation at a point in the country near Litchfield, Conn., where ample facilities are provided for all requisite operations, and where the topography is admirably adapted to the practical work of surveying. The courses there given are those announced above under the numbers 15, 25, 26, 27, 28, and 71. The University issues a

special pamphlet with regard to these courses, which may be had upon application to the secretary.

Advanced Courses

Minor Subjects

153-154—Elasticity and resistance of materials.

257-258—Elastic and masonry arches. Conferences with reading and design work as required. Based upon Course 58

275-276—Hydraulics (75 with additional reading).

285-286—Foundations, including theory of earth pressure (85 with additional reading).

287-288—Long-span bridges. Conferences with reading and design work as required. Based upon Courses 87-88.

Major Subjects

259-260—Sanitary engineering. Based upon Course 59.

277-278—Hydraulic engineering, including the hydraulics of rivers and power plants and municipal water-works.

279-280—Municipal engineering, including water-works, sewers and sewage-works, streets, and other public works, and their administration.

289-290—The engineering of structures, including long-span bridges and deep foundations, with methods of building them, and advanced work in elasticity and resistance of materials.

Equipment

The department possesses an unusually full equipment of engineers' and solar transits, levels, plane tables, compasses, and all accessories, as well as smaller instruments. Current meters, hook gauges, and floats of various types are also used in making observations on the flow in and discharge of rivers and canals. A complete set of sections of iron and steel shapes, models, and photographs of engineering works, together with working plans of the latter, are in the department for the use of students. The hydraulic laboratory affords opportunity for the practical operations of measuring the discharge through weirs and other orifices, the flow through open channels and closed pipes, frictional and other resistances in pipes and open channels, as well as for meter gaugings, and for general hydraulic investigations. The testing work in the mechanical laboratory includes the complete tests of various structural materials in tension, compression, bending, and torsion, including the observation and digesting of all corresponding data.

A cement-testing laboratory is fully equipped with testing machines, briquette moulds, tanks, and other apparatus requisite for all classes

of investigation in the nature and physical properties of cements and cement mortars. All students are required to make and test briquettes of cement and cement mortar, as well as to ascertain the weight, fineness, and other physical properties of such cement, sand, and mortar as may be assigned to them for examination.

A laboratory for the testing of road materials is equipped with all the necessary apparatus for the determination of the wearing and cementing qualities of stone or other road material.

In addition, a great variety of large engineering works is continually in process of construction in New York City and vicinity, and the requisite steps are always taken to render them accessible to the students of the department for examination and study.

The library facilities consist of an extensive collection of foreign and domestic engineering books and periodicals, to which additions are constantly being made. The collection of engineering literature forms a part of the general Library of the University, and is available for both undergraduate and graduate study.

Clinical Instruction

in Dermatology, Genito-Urinary Diseases, Laryngology, Ophthalmology, Orthopedic Surgery, and Otology. For Clinical Instruction in Medicine, Surgery, Obstetrics, Gynecology, Hydrotherapy, Neurology, and Pediatrics, details will be found under the general heading of these departments.

VIRGIL P. GIBNEY, M.D., LL.D.....	<i>Professor of Orthopedic Surgery</i>
WILLIAM K. SIMPSON, M.D.....	<i>Professor of Laryngology</i>
ARNOLD H. KNAPP, M.D.....	<i>Professor of Ophthalmology</i>
GORHAM BACON, M.D.....	<i>Professor of Otology</i>
JAMES R. HAYDEN, M.D.....	<i>Professor of Genito-Urinary Diseases</i>
ROYAL WHITMAN, M.D.....	<i>Adjunct Professor of Orthopedic Surgery</i>
GEORGE T. JACKSON, M.D.....	<i>Professor of Dermatology</i>
WALTER F. CHAPPELL, M.D.....	<i>Professor of Clinical Laryngology</i>
ROBERT LEWIS, Jr., M.D.....	<i>Professor of Clinical Otology</i>
RICHARD FROTHINGHAM, M.D.....	<i>Instructor in Laryngology</i>
WARD A. HOLDEN, M.D.....	<i>Chief of Clinic and Instructor in Ophthalmology</i>
HENRY H. TYSON, M.D.....	<i>Instructor in Ophthalmology</i>
GEORGE SLOAN DIXON, M.D.....	<i>Chief of Clinic and Instructor in Otology</i>
SAMUEL W. THURBER, M.D.....	<i>Chief of Clinic and Instructor in Laryngology</i>
WALTER S. REYNOLDS, M.D.,	<i>Chief of Clinic and Instructor in Genito- Urinary Diseases</i>
CHARLES H. JAEGER, M.D.....	<i>Chief of Clinic and Instructor in Orthopedic Surgery</i>

T. LAURANCE SAUNDERS, M.D.....	<i>Instructor in Otology</i>
HARMON SMITH, M.D.....	<i>Instructor in Clinical Laryngology</i>
WILLIAM BLANCARD, M.D.....	<i>Instructor in Genito-Urinary Diseases</i>
JOHN H. P. HODGSON, M.D.....	<i>Chief of Clinic and Instructor in Dermatology</i>
FRED. H. ALBEE, M.D.....	<i>Assistant in Orthopedic Surgery</i>

Clinical Assistants

In Orthopedic Surgery

SIGMUND EPSTEIN, M.D.	IRVING D. STEINHARDT, M.D.
WILLIAM FRIEDER, M.D.	

In Otology

MATTHEW L. CARR, M.D.	ALFRED MICHAELIS, M.D.
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In Dermatology

JOHN ALDRICH, M.D.	JAMES D. GOLD, M.D.
CHARLES T. DADE, M.D.	GEO. HOWARD FOX, M.D.
S. DANA HUBBARD, M.D.	SELDEN I. RAINFORTH, M.D.

In Ophthalmology

JOHN A. JACKSON, M.D.	CHRISTOPHER J. ASTLE, M.D.
GERALD H. GROUT, M.D.	NATHAN GOODFRIEND, M.D.

In Laryngology

ARTHUR P. COLL, M.D.	C. D. VAN WAGENEN, M.D.
JOHN LESHURE, M.D.	T. JOSEPH BARRY, M.D.
F. CONGER SMITH, M.D.	CHARLES OSGOOD, M.D.
IRVING W. VOORHEES, M.D.	

In Genito-Urinary Diseases

WALTER B. BROUNER, M.D.	S. W. FOWLER, M.D.
JAMES A. COWAN, M.D.	

All communications regarding these courses should be addressed to the Dean of the Faculty of Medicine, 437 West 59th Street.

Courses

See preliminary paragraphs, page 55

In Dermatology

51-52—Systematic instruction at the Vanderbilt Clinic. 16 lessons for each student. Professor JACKSON

53-54—Clinical instruction in diagnosis and treatment at the Vanderbilt Clinic. 12 lessons for each student. Dr. HODGSON

In Genito-Urinary Diseases

51-52—Genito-urinary diseases. Clinical lectures at the Vanderbilt Clinic. 1 hour. Professor HAYDEN

53-54—Practical instruction at the Vanderbilt Clinic. 12 lessons for each student. Dr. REYNOLDS

55-56—Hospital clinics. Bellevue Hospital, February, March, April, and May. Professor HAYDEN

57-58—Practical instruction in treatment at Vanderbilt Clinic. 6 exercises. Dr. BLANCARD

In Laryngology

51-52—Didactic lectures. 1 hour. Professor SIMPSON

53-54—Practical clinical instruction to sections in the use of instruments. 12 lessons for each student. Dr. THURBER

55-56—Individual clinical demonstrations, special attention being given to the questions of general diagnosis, differential and bacteriological diagnosis, and treatment. Dr. FROTHINGHAM

57-58—Operative clinics at the Manhattan Eye, Ear, and Throat Hospital. Professor CHAPPELL and Dr. SMITH

In Ophthalmology

52—Clinical lectures at the Vanderbilt Clinic. 1 hour. Professor KNAPP

53-54—Practical instruction at the Vanderbilt Clinic. 12 lessons for each student. Drs. HOLDEN and TYSON

56—Operative clinics at the N. Y. Ophthalmic and Aural Institute. Professor KNAPP

In Orthopedic Surgery

51-52—Clinic in orthopedic surgery and diseases of the joints at the Vanderbilt Clinic. 1 hour. Professor GIBNEY

53-54—Practical instruction. 8 lessons for each student, at the Hospital for Ruptured and Crippled. Professor WHITMAN. X-Ray Demonstrations. Dr. ALBEE

55-56—Operations at the Hospital for Ruptured and Crippled (*optional*). Professor GIBNEY

57-58—Practical instruction. 8 lessons for each student, at the Vanderbilt Clinic. Dr. JAEGER

In Otology

51—Didactic lectures in pathology and therapeutic methods. 1 hour. Professor BACON

53-54—Practical instruction at the Vanderbilt Clinic. 12 lessons for each student. Drs. DIXON and SAUNDERS

55-56—Operative clinics at the New York Eye and Ear Infirmary. Professor BACON

Clinical Pathology

FRANCIS CARTER WOOD, M.D.....	<i>Professor</i>
D. STUART DODGE JESSUP, M.D.....	<i>Instructor</i>
PETER IRVING, M.D.....	<i>Assistant</i>
EDWARD CUSSLER, M.D.....	<i>Assistant</i>
HERBERT B. WILCOX, M.D.....	<i>Assistant</i>

Close association is maintained between this department and the Departments of Pathology and Bacteriology and Hygiene, so as to facilitate instruction and research in these closely allied subjects.

Courses

52—Systematic instruction in clinical pathology. 6 hours for one quarter of the academic year. Professor Wood and Drs. JESSUP and WILCOX

53-54—Practical exercises in clinical pathology to sections in the Vanderbilt Clinic Laboratory. 10 hours for one fourth of the academic year. Professor WOOD and Drs. CUSSLER and IRVING

200—Special laboratory course in clinical pathology. Professor WOOD

Research

Qualified workers may pursue research either in the laboratory of Clinical Pathology on the fourth floor of the north wing of the College building, in the Vanderbilt Clinic Laboratory, or in the Pathological Laboratories of St. Luke's and the German Hospital. Professor WOOD

Equipment

Systematic instruction in clinical pathology is given in the west lecture-room on the fifth floor of the Vanderbilt Clinic building. Students are furnished with apparatus sufficient to enable them to carry out such tests as are necessary for the exposition of the subject; and demonstrations are made of special methods and more complicated apparatus. In order to permit the student to make independently such examinations as are needed in the diagnosis and treatment of disease, a new laboratory has been erected between the Vanderbilt Clinic and the Sloane Maternity Hospital, with accommodations and apparatus for twelve workers. In this laboratory the students make examinations of the secretions and excretions of patients from the clinical courses at the Vanderbilt Clinic and the hospitals.

Comparative Literature

JEFFERSON BUTLER FLETCHER, A.M.....	<i>Professor</i>
JOEL ELIAS SPINGARN, Ph.D.....	<i>Adjunct Professor</i>

Courses

See preliminary paragraphs, page 55

1-2—Introduction to European literature from the Renaissance to the present day. 3 hours. Professor SPINGARN

101-102—The Renaissance in Europe. Introductory course. 2 hours. Professors FLETCHER and SPINGARN

105-106—The Romantic movement in Europe: Introductory course. 2 hours. Professors THOMAS, FLETCHER, SPINGARN, and PAGE.

203-204—History of literary criticism in modern Europe. 3 hours. Professor SPINGARN

213-214—The literary relations of England and the Continent in the sixteenth century. 2 hours. Professor FLETCHER

221-222—European literature in the seventeenth century. 2 hours. Professor SPINGARN

223-224—The literary relations of England and the Continent during the seventeenth century. 2 hours. Professor SPINGARN

301-302—Seminar—The comparative study of literature: its methods and its problems. 2 hours. Professor FLETCHER

303-304—Seminar—The origin of classicism in modern literature. 2 hours. Professor SPINGARN

305-306—Seminar—The tradition of chivalry in modern literature. 2 hours. Professor SPINGARN

315-316—Special topics in comparative literature. Professors FLETCHER and SPINGARN

Equipment

The officers of the department have given much attention to the requirements of their courses in the matter of learned publications, the books of specialists in literary topics, the particular collections grouped about great authors, and the rarer literature of the world of letters. The general subjects of literary history and criticism and the latest phases of literary scholarship are well represented in the Library, and those subjects with which the courses directly deal are represented with unusual fulness. A special effort has been made to gather beforehand the literature of subjects for research, so that there may be no delay in providing such material. In the last few years several thousand volumes have been purchased by the department with a particular view to the needs of students, and it is believed that, within the limits of study, the collections are ample; and whatever books prove to be required will be at once obtained. Substantially all periodicals of the literary or learned world are currently

received, and in files of such publications, transactions of societies, and the like the Library is uncommonly rich, as well as in foreign dissertations. These are the treasuries of information for minute research. In the Library a special study room is provided for the department, in immediate communication with the books relating to its specific subject.

Design

For list of officers and other information see Faculty of Fine Arts

1-2—History of art—Collateral reading and research. 4 hours.
Professors DIELMAN, DOW, and Mr. E. R. SMITH

101-102—History of art—Advanced reading and research. 8 hours. Professors DIELMAN, DOW, and Mr. E. R. SMITH

Diseases of Children

L. EMMETT HOLT, M.D., LL.D., Sc.D.....	<i>Carpentier Professor</i>
LINNAEUS EDFORD LA FETRA, M.D....	<i>Associate and Chief of Clinic</i>
HENRY W. BERG, M.D.....	<i>Instructor</i>
JOHN HOWLAND, M.D.....	<i>Instructor</i>
FRANK S. MEARA, M.D.....	<i>Instructor</i>
MALCOLM GOODRIDGE, M.D.....	<i>Assistant</i>
SIDNEY V. HAAS, M. D.....	<i>Assistant</i>
HERBERT B. WILCOX, M.D.....	<i>Assistant</i>
LOUIS M. SILVER, M.D.....	<i>Assistant</i>
ARTHUR W. BINGHAM, M.D.....	<i>Assistant</i>

ABRAHAM JACOBI, M.D., LL.D.....*Emeritus Professor*

Clinical Assistants

ANDREW B. YARD, M.D.	GEO. A. SCHNEPEL, M.D.
EDWARD MILLER, M.D.	IRA A. WILE, M.D.
ARTHUR W. BINGHAM, M.D.	WM. V. P. GARRETSON, M.D.
M. H. SICARD, M.D.	IRVING D. STEINHARDT, M.D.
CHARLES HERRMAN, M.D.	B. WALLACE HAMILTON, M.D.

Courses

See preliminary paragraphs, page 55

51—Clinical lectures at the Vanderbilt Clinic. 1 hour. Professor HOLT

52—Didactic lectures at the College. 1 hour. Professor HOLT

53-54—Hospital clinic—Foundling or Babies' Hospital. 3 hours a week. Professor HOLT

55-56—Practical instruction at the Vanderbilt Clinic in diagnosis and treatment. 12 lessons for each student. Dr. LA FETRA and Assistants

57—A weekly recitation in pediatrics for each student for half the year. Dr. MEARA

59-60—Bedside instruction in contagious diseases at the Willard Parker, Scarlet Fever, and Riverside Hospitals to small sections of the class. Drs. HOWLAND and BERG

61-62—Practical clinical instruction—Bellevue Hospital Out-Patient Department. Drs. MEARA and GOODRIDGE

Bedside instruction in the wards of Bellevue Hospital. Dr. MEARA

Post-Graduate Instruction

A limited number of students will be received in this department for post-graduate instruction.

No students will be admitted for less than one half the academic year, and applicants must have had a previous hospital training.

The instruction will include clinical work in general diagnosis and treatment of diseases of children in the wards of the Babies' and Foundling Hospitals, and in the Children's Ward of Bellevue, and in the Vanderbilt Clinic, together with special instruction in contagious diseases at Willard Parker and the Scarlet Fever Hospitals, and opportunities for witnessing post-mortem examinations.

Domestic Art

Twelve courses in Domestic Art are offered under the auspices of Teachers College. For details see the *Announcement of Teachers College* and the special circular of the department.

Domestic Science

Twelve courses in Domestic Science are offered under the auspices of Teachers College. For details see the *Announcement of Teachers College* and the special circular of the department.

Economics and Social Science

EDWIN R. A. SELIGMAN, Ph.D., LL.D.....	McVickar Professor
FRANKLIN HENRY GIDDINGS, Ph.D., LL.D.....	Professor
JOHN BATES CLARK, Ph.D., LL.D.....	Professor
HENRY ROGERS SEAGER, Ph.D.....	Professor
HENRY LUDWELL MOORE, Ph.D.....	Professor
VLADIMIR G. SIMKHOVITCH, Ph.D.....	Adjunct Professor
EDWARD THOMAS DEVINE, Ph.D., LL.D.....	Schiff Professor
SAMUEL McCUNE LINDSAY, Ph.D.....	Professor
MARY KINGSBURY SIMKHOVITCH, M.A. (Mrs.)....	Adjunct Professor
GEORGE J. BAYLES, Ph.D.....	Associate in Ecclesiology
ALVAN A. TENNEY, Ph.D.....	Tutor
EUGENE E. AGGER, Ph.D.....	Lecturer

ROBERT E. CHADDOCK, Ph.D. *Lecturer*
 LILIAN BRANDT, M.A. *Assistant*

Courses in Political Economy and Finance

See introductory paragraphs, page 55

A—Outlines of economics—Recitations, lectures, and essays. 3 hours. Professor MOORE, Dr. AGGER, and Dr. CHADDOCK (Barnard College)

1-2—Introduction to economics—Practical economic problems—Lectures and recitations. 3 hours. Professor SELIGMAN, Dr. AGGER, and Dr. CHADDOCK

4—Practical economics—Recitations, essays, and lectures. 3 hours. Professor MOORE, Dr. AGGER, and Dr. CHADDOCK (Barnard College)

101—Science of finance—I: Public expenditures and revenues—Lectures and private reading. 2 hours. Professor SELIGMAN

102—Science of finance—II: Taxation, public debts, and the budget—Lectures and private reading. 2 hours. Professor SELIGMAN

103—Money and banking—Lectures, discussions, and reading. 2 hours. Professor MOORE

104—Commerce and commercial policy—Lectures, discussions, and reading. 2 hours. Professor MOORE

[105]—The labor problem—Lectures and private reading. 2 hours. Professor SEAGER]

This course is also given at Barnard College

[106]—The trust and corporation problem—Lectures and private reading. 2 hours. Professor SEAGER]

Courses **101**, **102**, and **106** are combined at Barnard under the name of Government and Industry, and are given as a 2-hour course (**120**) by Professor SEAGER

[107]—Fiscal and industrial history of the United States—Lectures and private reading. 2 hours. Professor SELIGMAN]

[108]—Railroad problems, economic, social, and legal—Lectures and private reading. 2 hours. Professor SELIGMAN]

109—Communitistic and socialistic theories—Lectures and private reading. 2 hours. Professor V. G. SIMKHOVITCH

This course is given at Barnard College by Professor CLARK

110—Theories of social reform—Lectures and private reading. 2 hours. Professor CLARK

This course is also given at Barnard College

[120]—Government and industry—Lectures and assigned readings. 2 hours. Professor SEAGER (Barnard College)]

[201]—Economic readings—I: Classical English economists—Lectures, assigned readings, and reports. 2 hours. Professor SEAGER]

[202—Economic readings—II: Contemporary economists—Lectures, assigned readings, and reports. 2 hours. Professor SEAGER

203—History of economics to Adam Smith—Lectures and private reading. 2 hours. Professor SELIGMAN

204—History of economics since Adam Smith—Lectures and private reading. 2 hours. Professor SELIGMAN

205—Economic theory—I: The static laws of distribution—Lectures and private reading. 2 hours. Professor CLARK

206—Economic theory—II: The dynamic laws of distribution—Lectures and private reading. 2 hours. Professor CLARK

207—Theory of statistics—Lectures and laboratory. 2 hours. Professor H. L. MOORE

[209—Quantitative economics—I: Advanced statistics. 2 hours. Professor MOORE]

[210—Quantitative economics—II: Mathematical economics. 2 hours. Professor MOORE]

[241—Economic and social evolution of Russia since 1800. 2 hours. Professor V. G. SIMKHOVITCH]

242—Radicalism and social reform as reflected in the literature of the nineteenth century. 2 hours. Professor V. G. SIMKHOVITCH

301-302—Seminar in political economy and finance. 2 hours. Professors SELIGMAN and CLARK

Courses in Sociology and Statistics

151—Principles of sociology: analytical and descriptive. 2 hours. Professor GIDDINGS and Dr. TENNEY

152—Principles of sociology: historical. 2 hours. Professor GIDDINGS and Dr. TENNEY

251—Social evolution: ethnic and civil origins—Lectures and private reading. 2 hours. Professor GIDDINGS

252—Social evolution: civilization, liberty, and democracy—Lectures and private reading. 2 hours. Professor GIDDINGS

255—Theory of statistics—Lectures and laboratory. 2 hours. Professor H. L. MOORE

256—Social statistics—Lectures and laboratory. 2 hours. Professor H. L. MOORE

257—Historical types of society, ancient: the theory of progress. Lectures and private reading. 2 hours. Professor GIDDINGS

258—Historical types of society, modern: the theory of progress. Lectures and private reading. 2 hours. Professor GIDDINGS

259—Ecclesiology—Lectures and private reading. 1 hour. Dr. BAYLES

311-312—Seminar in sociology. 2 hours, bi-weekly. Professors GIDDINGS, H. L. MOORE, and SHOTWELL, and Dr. TENNEY

313-314—Seminar in primitive institutions in Europe. 2 hours. Professor SHOTWELL

315-316—Seminar in modern problems of social evolution. 2 hours, bi-weekly. Dr. TENNEY

Courses in Social Economy

11-12—The industrial family. 2 hours. Professor M. K. SIM-KHOVITCH (Barnard College)

13-14—Social progress in cities. 2 hours. Professor M. K. SIM-KHOVITCH (Barnard College)

[281—Poverty and relief—Lectures and discussions. 2 hours. Professor DEVINE]

[282—Constructive social movements. Lectures and discussions. 2 hours. Professor DEVINE]

[283-284—American social legislation, Federal and State. Lectures and private reading. 2 hours. Professor LINDSAY]

285—The standard of living—Lectures and discussions. 2 hours. Professor DEVINE

286—The treatment and prevention of crime—Lectures and discussions. 2 hours. Professor DEVINE

287-288—European social legislation—Lectures and private reading. 2 hours. Professor LINDSAY

321-322—Seminar in social economy. 2 hours. Professors DEVINE and LINDSAY

Equipment

The Library facilities are unexcelled. Every journal of importance, American or foreign, dealing with economics or social science, is taken regularly by the Library. Any book needed by advanced students can usually be bought at once. The special library of history and political science alone comprises more than eighty thousand volumes.

Students of economics and social science will find New York a centre of library facilities unrivalled elsewhere in this country. In addition to the University Library, there are rich treasures at the New York Public Library on the Astor, Lenox, and Tilden foundation, New York Historical Library, Long Island Historical Library, Library of the New York School of Philanthropy, the Bar Association Library, and the Law Institute Library, to each of which students have access under favorable conditions. Advanced students also have at their

disposal the library of the McVickar Professor of Political Economy, which contains one of the most complete collections of works on economics to be found in the United States.

The facilities offered to students of sociology and social economy include a large library of general and special works, and unusual opportunities for field work. A generous gift for works on sociology has provided a very complete equipment of publications on sociological theory, the history of the family, pauperism, crime, and penology. Arrangements have been made with the Charity Organization Society, the State Charities Aid Association, the University Settlement, the East-Side House, and the Brooklyn Bureau of Charities by which students can become fully acquainted with actual work among the people and with the most perfect methods.

The Statistical Laboratory, conducted by Professor H. L. MOORE, is equipped with the Hollerith tabulating machines, comptometers, and all other modern facilities.

Students also have the privilege of attending all of the courses in the School of Philanthropy conducted by the Charity Organization Society.

Education

Teachers College is the Division of Education of Columbia University. In the section of the Catalogue devoted to Teachers College (see Table of Contents) will be found a list of its officers and a statement of its equipment for instruction and research in education.

All Teachers College courses are open to men and women on equal terms. For the significance of course numbers see page 55.

A full statement of the nature of each of the following courses, the work pre-requisite to it, and the credit which may be received for it in partial fulfilment of the requirements for the several degrees and diplomas, and similar statements concerning some sixty semi-professional courses offered by Teachers College, but not listed here, will be found in the current edition of the Announcement of Teachers College.

History of Education

B—History and principles of education. 3 hours. Professor MONROE and Assistants

B (c)—Principles of education up to modern times—Third third of Education B, above. 1 hour. Dr. COLE

103-104—Educational theories of Herbart and Froebel. 2 hours. Dr. COLE

109-110—Social and philosophical foundations of Greek and Roman education. 2 hours. Dr. COLE

201-202—History and principles of education—Special graduate section course B, above. 2 hours. Professor MONROE, Dr. COLE, and Miss GOONSEL

203-204—Practicum—History of education in the United States. 2 hours. Professor MONROE

[210—Practicum—History of education in England. 2 hours. Professor MONROE]

303-304—Seminar—History of education. Professor MONROE

Philosophy of Education

2—Logic as applied to problems of teaching. 2 hours. Professor DEWEY

[32—Social life and the school curriculum. 2 hours. Professor DEWEY]

105-106—The principles of education. 2 hours. Professor MACVANNEL

205-206—Practicum—Philosophy of education. 2 hours. Professor MACVANNEL

305-306—Seminar—Philosophy of education. Professor MACVANNEL

Educational Administration

111-112—School administration. 2 hours. Professor DUTTON

113-114—Administration of social education. 2 hours. Professor SNEDDEN

211-212—Practicum—Administration of public education in the United States. 2 hours. Professors SNEDDEN and DUTTON

213-214—Practicum—Foreign school systems. 2 hours. Professor SNEDDEN and Dean RUSSELL

311-312—Seminar—Educational administration. Dean RUSSELL and Professors SNEDDEN and DUTTON

Educational Psychology

A (a)—General psychology. 2 hours, first half-year. Professors THORNDIKE and SUZZALLO, Drs. NORSWORTHY and BINGHAM, and Miss WHITLEY

A (b)—Educational psychology. 2 hours, second half-year. Professors THORNDIKE and SUZZALLO, Drs. NORSWORTHY and BINGHAM, and Miss WHITLEY

A (c)—Educational psychology. 1 hour, throughout the year. Professors THORNDIKE and SUZZALLO, Drs. NORSWORTHY and BINGHAM, and Miss WHITLEY

19-20—Readings in educational psychology. 2 hours. Dr. NORSWORTHY

21-22—Child-study. 2 hours. Dr. NORSWORTHY

[24—The psychology and education of exceptional children. 2 hours. Dr. NORSWORTHY and Professor THORNDIKE]

121-122—Genetic psychology, advanced course. 2 hours. Professors THORNDIKE and SUZZALLO

222—Practicum—The application of psychological and statistical methods to education. 2 hours second half-year. Professor THORNDIKE

321-322—Seminar—Genetic and comparative psychology. Professor THORNDIKE

Secondary Education

125-126—Secondary education, general course. 3 hours. Professor SACHS

127-128—Secondary education, advanced course. 2 hours. Professor SACHS

129-130—Secondary education in Germany. 2 hours. Professor SACHS

225-226—Practicum—Secondary education. 2 hours. Professor SACHS

325-326—Seminar in secondary education. Professor SACHS

153-154—The teaching of biological science in secondary schools. 3 hours. Professor BIGELOW and Miss BROADHURST

253-254—Practicum in the teaching of biological sciences in secondary and normal schools. 2 hours. Professor BIGELOW

55-56—The teaching of domestic art. 3 hours. Professor WOOLMAN and Miss COOLEY

155-156—Organization and administration of domestic art. 2 hours. Professor WOOLMAN

57-58—The teaching of domestic science. 3 hours. Professor KINNE and Miss WHITEMORE

157-158—Supervision and critic teaching in domestic science. 2 hours. Professor KINNE

257-258—Practicum in domestic science. 2 hours. Professor KINNE

161-162—The teaching of English in secondary schools. 3 hours. Professor BAKER

261-262—Practicum in the teaching of English. 2 hours. Professor BAKER

63-64—The teaching of art. 3 hours. Professor Dow and Miss BROOKS

163-164—Supervision of fine arts. 2 hours. Professor Dow

165-166—The teaching of French. 3 hours. Professor COHN

167-168—The teaching of geography. 3 hours. Professor DODGE and Miss KIRCHWEY

267-268—Practicum in geography. 2 hours. Professor DODGE

169-170—The teaching of German in secondary schools. 3 hours. Professor BAGSTER-COLLINS

171-172—The teaching of Greek in secondary schools. 3 hours. Professor LODGE

73-74—Teaching in training schools for nurses. 2 hours. Professor NUTTING

173-174—The teaching of history in secondary schools. 3 hours. Professor JOHNSON

273-274—Practicum in the teaching of history. 2 hours. Professor JOHNSON

75-76—Administration of training schools for nurses. 2 hours. Professor NUTTING and special lecturers

175-176—The teaching of Latin in secondary schools. 3 hours. Professor LODGE

275-276—Practicum in Latin—Cæsar and Vergil. 2 hours. Professor LODGE

77-78—The teaching of manual training. 3 hours. Mr. NOYES

[177-178—Administration of industrial education. 2 hours]

179-180—The teaching of mathematics in secondary schools. 3 hours. Professor SMITH

279-280—Practicum in the history and teaching of mathematics. 2 hours. Professor SMITH

379-380—Seminar in the history and teaching of mathematics. Professor SMITH

81-82—The teaching of music. 3 hours. Professor FARNSWORTH

87-88—Personal and school hygiene. 2 hours. Professor WOOD

189-190—The teaching of physical education. 3 hours. Professor WOOD, Miss CRAWFORD, and Assistants

289-290—Practicum in physical education. 2 hours. Professor WOOD

191-192—The teaching of physical science in secondary schools. 3 hours. Professor WOODHULL and Miss VAN ARSDALE

291-292—Practicum in physical science. 2 hours. Professor WOODHULL

Elementary Education

7-8—Kindergarten and primary work. 2 hours. Miss FULMER and Professor STRAYER

33-34—Theory and practice of teaching in elementary schools. 5 hours. Professors STRAYER, BAKER, DODGE, SMITH, JOHNSON, and Dr. EARHART

33a-34a—Theory and practice of teaching in elementary schools. First section of above course. 2 hours. Professor STRAYER

133-134—Criticism and supervision of instruction. 3 hours. Professor SUZZALLO

133ab-134ab—Supervision of instruction. Two-thirds of above course. 2 hours. Professor STRAYER

233-234—Practicum—Current problems in elementary education. 2 hours. Professor STRAYER

333-334—Seminar. Professors SUZZALLO and STRAYER

55-56—The teaching of domestic art. 3 hours. Professor WOOLMAN and Miss COOLEY

155-156—Organization and administration of domestic art. 2 hours. Professor WOOLMAN

57-58—The teaching of domestic science. 3 hours. Professor KINNE and Miss WHITEMORE

157-158—Supervision and critic teaching in domestic science. 2 hours. Professor KINNE

63-64—The teaching of art. 3 hours. Professor Dow and Miss BROOKS

163-164—Supervision of fine arts. 2 hours. Professor Dow

67-68—The teaching of geography in elementary schools. 1 hour. Professor DODGE and Miss KIRCHWEY

77-78—The teaching of manual training. 3 hours. Mr. NOYES

[177-178—Administration of industrial education. 2 hours.]

79-80—The teaching of mathematics in elementary schools. 1 hour.

81-82—The teaching of school music. 3 hours. Professor FARNSWORTH

183—Lectures on the teaching of nature-study. 2 hours. Professors BIGELOW and WOODHULL

184—Practical course in the teaching of nature-study. 2 hours. Professors BIGELOW and WOODHULL

87-88—Personal and school hygiene. 2 hours. Professor WOOD

189-190—The teaching of physical education. 3 hours. Professor WOOD, Miss CRAWFORD, and assistants

Kindergarten Education

7-8—Kindergarten and primary work. 2 hours. Miss FULMER and Professor STRAYER

7a-8a—Kindergarten and primary work. First half of above course. 1 hour

41-42—Kindergarten principles. 2 hours. Miss FULMER

45-46—Theory and practice of kindergarten teaching. 4 hours. Miss McMAHON

141—Kindergarten principles and practice. 2 hours. Miss BLOW

143-144—Kindergarten conference. 2 hours. Miss HILL

Nine other, introductory, courses in kindergarten are also given

145-146—Theory and practice of kindergarten education. 3 hours. Professor MACVANNEL

Electrical Engineering

FRANCIS B. CROCKER, E.M., Ph.D. *Professor*

GEORGE FRANCIS SEVER, M.Sc. *Professor*

MORTON ARENDT, E.E. *Instructor*

STANLEY F. BOND, A.B., E.E. *Tutor*

HANFORD C. ADAMS, A.B., E.E. *Assistant*

JAMES E. WILSON, Ph.B., E.E. *Assistant*

Professors PUPIN and WILLS of the Department of Physics give instruction in Electro-mechanics to the Electrical Engineering students. See the statement of the Department of Physics.

Courses

For the significance of course numbers see page 55

1—Elements of electrical engineering—General electrical principles, laws, measurements, and their applications. 2 hours. Mr. ARENDT and Mr. BOND

2—Elements of the dynamo—The principles and general construction of dynamo-electric machinery. 2 hours. Mr. ARENDT

52—Design of direct-current machinery. Complete and original design with all calculations and working drawings of a specially assigned electric generator or motor. 2 hours and 1 afternoon. Professor SEVER

54—Design of alternating-current machinery—Original design of alternating-current generators, motors, transformers, etc. 2 hours. Mr. BOND

72—Direct-current laboratory—Short course for students in Mining, Civil, Sanitary, and Chemical Engineering, and Metallurgy. 1 afternoon. Professor SEVER and Mr. WILSON

73—Direct-current laboratory—Short course for students in Mechanical Engineering. 1 afternoon. Professor SEVER and Mr. WILSON

75—Alternating-current laboratory—Short course for students in Civil, Mining, Metallurgical, and Mechanical Engineering. 1 afternoon. Mr. BOND

98—Graduation thesis for degree of Electrical Engineer—Original work and report on a subject approved by the head of the department.

101—Dynamo and motor practice—Principles, construction, operation, and testing. 2 hours. Professor SEVER

103—Electric power—Electric motors, their action, control, and application. 3 hours. Professor CROCKER and Mr. ARENDT

104—Electric distribution—Principles and methods of transmitting and distributing direct and alternating currents. 3 hours. Professor CROCKER and Mr. ARENDT

105—Electric plants—The design and installation of electric power systems, including controlling, translating, and transmitting equipments. 2 hours. Mr. ARENDT

106—Management of electrical plants—Operation, organization, and administration. 2 hours. Professor CROCKER and Mr. ARENDT

110—Telegraph and telephone. 2 hours. Professor CROCKER and Mr. ARENDT

112—Electric railways—Their design, installation, and operation, 2 hours. Professor SEVER

173-174—Direct-current laboratory—Practice in the use of instruments and in the operation and testing of direct-current dynamos and motors. 2 afternoons. Professor SEVER and Mr. WILSON

176—Alternating-current laboratory—Practice in the use of instruments and in the operation and testing of alternating-current generators, motors, and transformers. 1 hour and 3 afternoons. Mr. BOND and Assistants

177—Electrical instrument laboratory. Electrical measurements, storage-battery testing, photometry of electric lamps. 1 hour and 2 afternoons. Mr. BOND and Mr. ADAMS

201-202—Special problems and original investigations in electrical engineering. Post-graduate work under the direction of the officers of the department.

Equipment

The offices, laboratories, museums, and lecture-rooms of the Electrical

Engineering Department are in the southern portion of the Engineering Building.

The laboratories located in the basement contain direct and alternating-current machinery and apparatus. The various machines in these laboratories are respectively examples of constant-potential generators, constant-current arc-lighting dynamos, many types of stationary and railway motors, and motor-dynamos. Complete sets of ampere, volt, and watt meters, speed indicators, transmission and absorption dynamometers are available for testing the various generators and motors.

The alternating-current apparatus includes single-phase and poly-phase generators, induction and synchronous motors, rotary converters, and various types and sizes of transformers. Test boards and complete sets of alternating-current measuring instruments and curve-tracing apparatus, such as an oscillograph and ondograph, are also provided.

The lecture-rooms are provided with an ample supply of electrical energy of different forms, and other facilities for experimental demonstrations. The museum contains collections of apparatus, models, and materials relating to electrical engineering.

The large instrument laboratory on the third floor contains various forms of galvanometers, ampere balances, potentiometers, standard cells, and resistances, measuring apparatus, laboratory standard volt and ammeters, as well as the high-tension testing sets. A storage battery is provided for testing, calibration and standardization purposes.

The photometric laboratory of this department is situated in the basement of Havemeyer Hall and it is equipped with various forms of photometers for gas, arc, and incandescent lamp testing.

Engineering Drafting

RALPH E. MAYER, C.E.....	<i>Adjunct Professor of Mechanical Drawing</i>
SAMUEL O. MILLER, C.E.....	<i>Instructor</i>
THOMAS H. HARRINGTON, C.E.....	<i>Tutor</i>
HENRY G. BABCOCK, C.E.....	<i>Assistant</i>

Courses

See introductory paragraph, page 55

1-2—(a) Elements of mechanical drawing; freehand lettering; (b) Projections; (c) Machine drawing—sketches, tracing; (d) Topography

C 1 hour for one half-year, D 14 hours for one half-year. Professor MAYER, Mr. MILLER, Mr. HARRINGTON, and Mr. BABCOCK

3-4—Descriptive geometry—Problems on point, line, and plane; tangent planes; intersections; developments; warped surfaces. C 3 hours for one half-year. Professor MAYER, Mr. MILLER, and Mr. HARRINGTON

5-6—(a) Graphics—Shades and shadows; perspective; (b) Stone-cutting. C 1 hour and D 6 hours for one half-year. Professor MAYER and Mr. MILLER and Mr. HARRINGTON

7-8—(a) Structural drawing; (b) Machine drawing. C 1 hour and D 6 hours for one half-year. Professor MAYER, Mr. MILLER, and Mr. HARRINGTON

English

BRANDER MATTHEWS, D.C.L., Litt.D., LL.D.....	Professor
GEORGE RICE CARPENTER, D.C.L.....	Professor
FRANKLIN THOMAS BAKER, A.M. Litt.D. .	Professor in Teachers College
WILLIAM PETERFIELD TRENT, M.A., LL.D.....	Professor
WILLIAM TENNEY BREWSTER, A.M.....	Professor
GEORGE C. D. ODELL, Ph.D.....	Professor
FREDERICK HENRY SYKES, Ph.D... ..	Professor of English in Extension Teaching
ASHLEY HORACE THORNDIKE, Ph.D....	Professor, and Secretary of the Department
WILLIAM WITHERLE LAWRENCE, Ph.D.....	Adjunct Professor
GRACE A. HUBBARD, A.M.....	Adjunct Professor
MABEL FOOTE WEEKS, A.B.....	Adjunct Professor
BAYARD BOYESEN, A.B.....	Tutor
HARRISON ROSS STEEVES, A.M.....	Tutor
JOHN WARREN TAYLOR, A.M.....	Tutor
ALLAN FERGUSON WESTCOTT, A.M.....	Tutor
VIRGINIA CROCHERON GILDERSLEEVE, Ph.D.....	Lecturer
ALGERNON DE V. TASSIN, A.M.....	Lecturer
HARRY MORGAN AYRES, Ph.D.....	Lecturer
CLYDE FURST, A.M.....	Lecturer in Extension Teaching
AZUBAH JULIA LATHAM, A.B.....	Lecturer in Teachers College
EDWARD HALL GARDNER, A.M.....	Assistant
ALICE DOROTHY BREWSTER, A. M.....	Assistant
BLANCHE COLTON WILLIAMS, A.M.....	Assistant

Courses

For the significance of course numbers see page 55

A—English literature and composition. 3 hours. Professor ODELL, Mr. STEEVES, Mr. WESTCOTT, Mr. TAYLOR, and Mr. BOYESEN (Columbia College); Professor BREWSTER, Professor WEEKS, Mr. TASSIN, Mr. GARDNER, and Miss BREWSTER (Barnard College)

B—English literature and composition. 2 hours (Columbia); 3 hours (Barnard). Professor G. R. CARPENTER, Professor ODELL, Mr.

¹ Absent on leave 2d half-year.

STEEVES, Mr. WESTCOTT, Mr. TAYLOR, and Mr. BOYESEN (Columbia); Professor BREWSTER, Dr. GILDERSLEEVE, Mr. GARDNER, and Miss BREWSTER (Barnard)

1-2—English composition—Daily themes and fortnightly essays, lectures, and consultations. 3 hours. Mr. TASSIN (Columbia); Professor BREWSTER (Barnard)

7-8—Elocution—Lectures and exercises. 2 hours. Mr. TASSIN (Columbia); Mr. TASSIN (Barnard)

Course 7-8 is not given at Columbia in 1908-09.

11-12—Vocal training and public speaking. 3 hours. Mr. TASSIN (Columbia)

[17-18—English prose masterpieces. 2 hours. Professor G. R. CARPENTER (Columbia)]

19-20—American literature. 2 hours. Professor BRANDER MATTHEWS, Professor G. R. CARPENTER, and Mr. WESTCOTT (Columbia)

21-22—English Literature from 1780-1830. 3 hours. Professor ODELL (Columbia)

Courses 21-22 and 23-24 are given in alternate years.

23-24—English literature in the nineteenth century. 3 hours. Professor ODELL (Columbia); Professor HUBBARD (Barnard)

Course 23-24 is not given at Columbia in 1908-09.

25-26—English literature from 1557 to 1660. 3 hours (Columbia); 2 hours (Barnard). Professor ODELL (Columbia); Professor TRENT (Barnard)

Courses 25-26 and 27-28, are given in alternate years.

[27-28—English literature from 1660 to 1789. 3 hours (Columbia); 2 hours (Barnard). Professor ODELL (Columbia); Professor TRENT (Barnard)]

29-30—English literature of the earlier periods. 3 hours. Dr. AYRES (Columbia); Dr. AYRES (Barnard)

Course 29-30 is not given at Columbia in 1908-09.

31-32—English literature in the sixteenth century. 2 hours. Professor TRENT (Barnard)

35-36—Shakspeare. 2 hours. Professor LAWRENCE (Columbia); Dr. GILDERSLEEVE (Barnard)

37-38—English prose exclusive of fiction. 2 hours. Professor HUBBARD (Barnard)

39-40—The development of English fiction. 3 hours. Professor BRANDER MATTHEWS (Columbia)

41-42—The development of the English drama. 2 hours. Professor BRANDER MATTHEWS (Columbia); Mr. TASSIN (Barnard)

¹ Course 41-42 will be given at Columbia by Mr. TASSIN the second half only of 1908-09.

[43-44—English drama from 1642. 2 hours. Mr. TASSIN (Barnard)]
Courses 41-42 and 43-44 are given at Barnard College in alternate years.

45-46—English literary criticism. 2 hours. Professor G. R. CARPENTER (Barnard)

55-56—Nineteenth century writers. 3 hours. Professor BAKER (Barnard)

[201-202—The theory of literary art. 2 hours. Professor G. R. CARPENTER]

203—The theory of English usage. 2 hours. Professor G. R. CARPENTER

204—English composition (advanced course). 2 hours. Professor G. R. CARPENTER

[205-206—English literary criticism. 2 hours. Professor G. R. CARPENTER]

207-208—English prose in the eighteenth century. 2 hours. Professor BREWSTER
Courses 207-208 and 209-210 are given in alternate years.

[209-210—English prose in the nineteenth century. 2 hours. Professor BREWSTER]

213-214—Historical English grammar. 2 hours. Dr. AYRES

215—Anglo-Saxon prose. 2 hours. Dr. AYRES

[216—Caedmon and Cynewulf. 2 hours. Dr. AYRES]

218—Beowulf. 2 hours. Professor LAWRENCE

219-220—Middle English, language and literature. 2 hours. Dr. AYRES

[222—Anglo-Saxon literature. 2 hours. Professor LAWRENCE]

[225-226—English literature from 1200-1557. 2 hours. Professor LAWRENCE]

227-228—Chaucer. 2 hours. Professor LAWRENCE

229-230—English literature in the sixteenth century. 2 hours. Professor FLETCHER

231-232—English literature in the seventeenth century. 2 hours. Professor TRENT

[233-234—English literature in the eighteenth century. 2 hours. Professor TRENT]

[235-236—English literature in the nineteenth century. 2 hours. Professor TRENT]

Courses 231-232, 233-234, and 235-236 are given in successive years.

[237-238—The romantic movement. 2 hours. Professor THORNDIKE]

239-240—English literature in the Victorian period. 2 hours.
Professor THORNDIKE

[241-242—Development of the drama. 2 hours. Professor BRANDER MATTHEWS]

[243-244—Dramatists of the nineteenth century. 2 hours. Professor BRANDER MATTHEWS]

[245-246—Molière and modern comedy. 2 hours. Professor BRANDER MATTHEWS]

247—The development of the essay. 2 hours. Professor BRANDER MATTHEWS

249—Shakespeare as a playwright. 2 hours. Professor BRANDER MATTHEWS

251-252—The English drama from the beginnings to 1642. 2 hours.
Professor THORNDIKE

Courses 241-242 and 251-252 are given in alternate years.

301-302—Seminar—Studies in Shakespeare. 2 hours. Professor THORNDIKE

303-304—Seminar—English literature from 1690 to 1720. Professor TRENT

305-306—Seminar—Studies in Middle English literature, 1400 to 1550. 2 hours. Professor LAWRENCE

307-308—Seminar—Discussion of dissertations. Professors TRENT, THORNDIKE, LAWRENCE, and Dr. AYRES

Undergraduate Courses in Teachers College

T. C. 53-54—English usage. 2 hours. Professor BAKER

T. C. 55-56—English writers of the nineteenth century. 3 hours.
Professor BAKER

T. C. 57-58—Oral reading. 2 hours. Miss LATHAM

[T. C. 59-60—Typical forms of literature. 3 hours. Professor BAKER]

Fine Arts

(See Architecture, Music, and Design)

In addition twelve courses in Fine Arts are offered under the auspices of Teachers College. For details see the *Announcement of Teachers College* and the special circular of the department.

(See also the Statement of the School of Fine Arts in this volume.)

French

(See Romance Languages and Literatures)

Geography

RICHARD E. DODGE, A.M.....	Professor
CLARA B. KIRCHWEY.....	Instructor

Courses

See introductory paragraphs, page 55

1-2—General geography. 3 hours. Professor DODGE and Miss KIRCHWEY

51-52—The geography of the United States and Western Europe. 2 hours. Professor DODGE and Miss KIRCHWEY

53—Geography for teachers. 2 hours. Miss KIRCHWEY

56—Man and his environment. 2 hours. Professor DODGE

See also Education 67-68, 167-168, 267-268

Equipment

The Department of Geography occupies a suite of five rooms on the second floor of Teachers College. A lecture-room capable of holding fifty, a well-lighted laboratory with table spaces for thirty, two offices, and a large work- and stock-room, compose the suite. The lecture-room is furnished with lantern, models, and wall maps; the laboratory contains several large models, and has a set of the more important weather instruments in an outdoor shelter. The supply of topographic, climatic, and special maps, of diagrams, of physical models, and of lantern slides is large, and has been especially chosen for use in the several courses announced above.

Geology

JAMES FURMAN KEMP, E.M., Sc.D.....	Professor
AMADEUS WILLIAM GRABAU, S.D.....	Professor
ALBRECHT PENCK, Ph.D., Sc.D.....	Kaiser Wilhelm Professor of Physiography
CHARLES PETER BERKEY, Ph.D.....	Instructor
IDA HELEN OGILVIE, Ph.D.....	Tutor in Barnard College
ALEXIS ANASTAY JULIEN, Ph.D.....	Curator
WILLIAM CAMPBELL, Ph.D.....	Special Lecturer
EDWIN KIRK, A.B.....	Assistant

Courses

See preliminary paragraphs, page 55

1-2—General geology. C 2 hours. L 2 hours Sat. A.M. Professor GRABAU, Dr. BERKEY, and Mr. KIRK. (Field work instead of L Saturday P.M. until Thanksgiving)

4—Petrography. *C* 2 hours, *L* 1 afternoon for two months. Compare Mineralogy 6. Dr. BERKEY

6—General geology. 6 hours. Professor KEMP and Dr. BERKEY

15—Elementary paleontology. *C* 1 hour, *L* 2 hours. Professor GRABAU and Mr. KIRK

16—Index fossils of North America. *C* 1 hour, *L* 6 or more hours. Prerequisite, Course 1-2, 6 or 18. Professor GRABAU and Mr. KIRK

18—General geology. *C* 3 hours lectures. Field work on Saturdays (last six weeks). Dr. BERKEY

51-52—Principles of geology. 2 hours. Professor GRABAU and Dr. BERKEY

105-106—Economic geology. 3 hours. Professor KEMP

107-108—Invertebrate paleontology. *C* 2 hours, *L* at least 4 hours. Professor GRABAU and Mr. KIRK

110—Geological examinations and surveys—Field methods and organization. 2 hours. Professor KEMP

112—Field geology—One week's field work, and report upon the same, immediately at the close of the spring examinations

151-152—Principles of geology. *C* 2 hours, *L* 4 hours or more (51-52 with additional laboratory and library work.) Professor GRABAU and Dr. BERKEY

175—Field geology in Paleozoic rocks of eastern North America. 4 weeks in the summer. Officers of the department. (Given in 1908 in New York and Penn. by Professor GRABAU.) 6 point credit with report.

201-202—Petrology. *C* 2 hours, *L* at least 4 hours. Professor KEMP and Dr. BERKEY

205-206—Comparative geology of North America—A comparative description and study of the geological formations of North America. 3 lectures and 4 hours reading and laboratory. Professors KEMP and GRABAU

207-208—A dissertation which will furnish the major course for the concluding year of study for the degree of Doctor of Philosophy

209-210—Comparative geology of Europe. 2 lectures and 4 hours laboratory and library work. Professors GRABAU and CAMPBELL

211-212—Phylogeny of a special group of fossil invertebrates. (211 Gastropoda, 212 Cephalopoda.) *C* 1 hour, *L* 6 hours. Professor GRABAU

213-214—Fossil faunas of North America—*C* 1 hour, *L* 6 hours.
Professor GRABAU

215-216—Stratigraphy. Research course. *L* 6 hours or more.
Professor GRABAU

301-302—Paleogeography of North America. Development and changes of former continents and ocean basins. 1 hour seminar, and laboratory according to arrangement. *C* 1 hour, *L* 6 hours to 2 days. Prerequisite, Geology 205-206, and 16 or 213-214. Professor GRABAU

351—The face of the earth—*C* 2 hours, *L* 2 hours. Professor PENCK

353—Preparation and interpretation of maps. Seminar. 2 hours.

B 1-2—General geology. Elementary course. *C* 2 hours, *L* 2 hours. 6 points. Dr. OGILVIE

B 101-102—General geology. Course 1-2 with *L* 4 hours additional. 8 points. Dr. OGILVIE, Miss WOOD, and Dr. MAURY

B 113—Summer field course—Two weeks in the field, and subsequent preparation of a report. Prerequisite, **B 101-102**. Dr. OGILVIE

B 115-116—Paleontology. *C* 1, *L* 2. Prerequisite **B 101-102** and Zoölogy 1-2. Dr. OGILVIE and Miss WOOD

B 117-118—Glacial geology and advanced physiography. *C* 1 hour. *L* to be arranged. Prerequisite 101-102. Dr. OGILVIE

B 119-120—General geology, advanced course. *C* and *L* to be arranged; 4, 6 or 8 points. Prerequisite 101-102. Dr. OGILVIE

The department has ample laboratories and a full equipment for its several lines of work. For details see the separately printed *Announcement*.

For the courses in geography see page 100.

The following courses in paleobotany are offered at the New York Botanical Garden by Dr. ARTHUR HOLLICK:

General paleobotany—Developmental history and structure of the fossil flora of some selected locality. Laboratory and museum.

Cretaceous flora of eastern North America—Collection and determination of specimens from some station with attention to stratigraphic relations. Field and laboratory.

The paleobotanical library and collections of Columbia University have been deposited at the New York Botanical Garden.

The attention of those interested in summer work in geology is directed to the *Announcement of the Summer Session*.

Germanic Languages and Literatures

WILLIAM HENRY CARPENTER, Ph.D.....	<i>Villard Professor of Germanic Philology</i>
CALVIN THOMAS, LL.D.,	<i>Gebhard Professor of the Germanic Languages and Literatures</i>
ELIJAH WILLIAM BAGSTER-COLLINS, A.M.....	<i>Adjunct Professor in Teachers College</i>
WILLIAM ADDISON HERVEY, A.M.....	<i>Adjunct Professor</i>
RUDOLF TOMBO, JR., Ph.D.....	<i>Adjunct Professor</i>
ARTHUR F. J. REMY, Ph.D.....	<i>Adjunct Professor of Germanic Philology</i>
WILHELM ALFRED BRAUN, Ph.D.....	<i>Instructor in Barnard College</i>
FREDERICK WILLIAM JUSTUS HEUSER, A.M.....	<i>Tutor</i>
ALEXANDER OTTO BECHERT, A.M.....	<i>Tutor in Barnard College</i>
ALLEN WILSON PORTERFIELD, A.M.....	<i>Tutor in Barnard College</i>
ERNST RICHARD, Pd.D.....	<i>Lecturer</i>
MRS. JULIANA HASKELL, Ph.D.....	<i>Assistant in Barnard College</i>

For the significance of course numbers see page 55

Courses in German

- A 1-A 2—Elementary course. 3 hours. Professor TOMBO and Mr. HEUSER
- B 1-B 2—Intermediate course. 3 hours. Professor REMY
- 2—Supplementary course. 2 hours. Mr. HEUSER
- 3-4—Composition and colloquial practice. Elementary course. 2 hours. Mr. HEUSER
- 5-6—Selected works of Goethe, Schiller and Lessing. 3 hours. Professor HERVEY and Mr. HEUSER
- 7—Historical prose. 2 hours. Professor TOMBO
- 8—Historical prose. 2 hours. Professor TOMBO
- 11-12—Composition and colloquial practice. Advanced course. 2 hours. Dr. BRAUN
- 15—Nineteenth century writers. Selected dramas of HEBBEL. 2 hours. Mr. HEUSER
- 16—Nineteenth century writers. Selected dramas of HAUPTMANN. 2 hours. Mr. HEUSER
- 19-20—Life and works of Schiller. 2 hours. Professor HERVEY
- 23-24—History of German civilization. 2 hours. Dr. RICHARD
- 51-52—German in secondary schools. 3 hours. Professor BAGSTER-COLLINS. Given in Teachers College
- 53-54—Educational German. 2 hours. Professor BAGSTER-COLLINS Given in Teachers College

101—History of German literature from the earliest times to the Reformation. 2 hours. Professor TOMBO

102—History of German literature from the Reformation to the nineteenth century. 2 hours. Professor TOMBO

103-104—Goethe's *Faust*. 2 hours. Professor THOMAS

105—German literature in the nineteenth century. 2 hours. Professor THOMAS

106—Contemporary German literature, with special reference to Hauptmann and Sudermann. 2 hours. Professor TOMBO

107-108—History of the German language. 2 hours. Professor W. H. CARPENTER

109-110—Old High German. 2 hours. Professor REMY

113-114—Middle High German. Literary course. 2 hours. Professor HERVEY

129-130—Outlines of the history of German civilization. 2 hours. Dr. RICHARD

143-144—Phonetics. 2 hours. Professor BAGSTER-COLLINS. Given in Teachers College

Education 169-170—Theory and practice of teaching German in secondary schools. 3 hours; practical work, 2 hours. Professor BAGSTER-COLLINS. Given in Teachers College

203-204—Proseminar. Great German writers. Schiller (first half-year). Heine (second half-year). 2 hours. Professor THOMAS

Course in Scandinavian Languages

123-124—Icelandic. Advanced course. 2 hours. Professor W. H. CARPENTER

Course in Dutch

125-126—Dutch. 2 hours. Professor W. H. CARPENTER

Course in Gothic

127-128—Gothic. 2 hours. Professor REMY

Courses in Germanic Philology

205-206—General introduction to Germanic philology. 2 hours. Professor REMY

211-212—Current bibliography. 1 hour. Professors W. H. CARPENTER, THOMAS, REMY

Germanic Seminar

301—The sources of Germanic mythology. 2 hours. Professor W. H. CARPENTER

302—German prose fiction in the second half of the eighteenth century. 2 hours. Professor THOMAS

The Seminar is open to advanced students only. Attendance at the meetings will be obligatory upon candidates for the degree of Doctor of Philosophy whose major subject lies in this department.

Public Lectures

Lectures in the German language on popular subjects, intended primarily for the students of the University, but to which the general public is also invited, are given each year under the auspices of the department.

Journal Club

The Journal Club is an organization founded in 1902 for the purpose of reviewing and discussing important contributions to recent numbers of the numerous journals devoted to Germanic studies. The Club consists of the officers, fellows, and scholars of the department. Meetings are held monthly.

Deutscher Verein

The Deutscher Verein of Columbia University, founded in 1898, is an association of the students and instructors of the University who are interested in the culture of the German language and literature, and in the acquisition of a more intimate knowledge of Germany, of German institutions, and of the German people than is furnished by academic study alone. The active membership consists of instructors in all departments of the University, of students in residence to the limited number of fifty, and of previous members of the Verein who are no longer students. An honorary membership is made up of prominent German-speaking citizens of New York. Stated meetings are held on the second and fourth Mondays of each month in the room assigned to the Verein in West Hall.

Equipment

The University Library offers excellent facilities for the study of German, both on the literary and the linguistic side. In German literature all periods are well represented. The Goethe collection, which consists of more than 1300 titles, affords to the student of Germany's greatest author an exceptional opportunity for the prosecution of his researches. The Scandinavian collection contains a good representation of the ancient saga and poetical literature, and most of the eminent writers of modern Norway, Denmark, and Sweden. The Holland Society library, deposited with the University in 1901, contains a considerable collection of books and pamphlets in the Dutch language from all periods.

The Library has sets and the current numbers of all the important periodicals which deal with Germanic literature and Germanic and general philology. It has also sets of periodicals no longer published and a large collection of the transactions and publications of the learned societies of America and Europe.

A reference library of 1200 volumes, containing the most important subsidia for the critical study of the Germanic languages and literatures—dictionaries, bibliographies, biographies, histories of literature, and the like—and independent of the main collection in the University Library, is placed in a room adjacent to the lecture-room and offices of the department in University Hall.

The income of the Carl Schurz Library Fund (\$10,000), contributed by citizens of New York in commemoration of the seventieth birthday of Carl Schurz, is, by the terms of the gift, devoted in perpetuity to the purchase of books in the field of the German language and literature.

For the Carl Schurz Fellowship in the German Language and Literature, see index.

Greek

EDWARD DELAVAN PERRY, Ph.D., LL.D. *Jay Professor*

JAMES RIGNALL WHEELER, Ph.D. *Professor of Greek Archaeology
and Art*

GONZALEZ LODGE, Ph.D. *Professor of Latin and Greek
in Teachers College*

CLARENCE HOFFMAN YOUNG, Ph.D. *Professor*

CHARLES KNAPP, Ph.D. *Professor of Classical Philology*

GERTRUDE MARY HIRST, Ph.D. *Instructor in Classical Philology
in Barnard College*

ROSCOE GUERNSEY, Ph.D. *Tutor*

THEODORE LESLIE SHEAR, Ph.D. . . . *Tutor in Classical Philology in
Barnard College*

EDGAR H. STURTEVANT, Ph.D. *Tutor in Classical Philology in
Barnard College*

CHARLES JONES OGDEN. *Assistant in Classical Philology in
Barnard College*

Courses

For the significance of course numbers see page 55



1-2—Elementary course. 5 hours. Dr. GUERNSEY

3-4—First half-year: Homer, Herodotus. Second half-year: Herodotus, Plato. 3 hours. Professor YOUNG

5-6—First half-year: Euripides and Sophocles; required reading and lectures on the Greek drama. Second half-year: Demosthenes,

with required reading as above. 3 hours. Professor YOUNG (first half-year) and Dr. GUERNSEY (second half-year)

An additional hour weekly in advanced Greek composition is offered in connection with courses 3, 4, 5, and 6.

25-26—First half-year: Greek Dramatists. Second half-year: Thucydides. 3 hours. Dr. GUERNSEY (first half-year) and Professor YOUNG (second half-year)

27-28—Greek composition, advanced course. One session weekly with written exercises, counting as a two-hour course. Dr. GUERNSEY. Open also to women graduate students.

101-102—Lectures on Greek Literature. Part I: Poetry. 2 hours. Professor WHEELER

111-112—Aristotle, *Poetics*. 3 hours. Professor WHEELER

115-116—Attic Orators. 3 hours. Professor PERRY

149-150—Introduction to Classical Archæology. 2 hours. Professors WHEELER, YOUNG, and OLCOTT

151-152—Introduction to Greek Archæology. Part I: Vases. 2 hours. Professor WHEELER

155-156—Manners and Customs of the Ancient Greeks. 2 hours. Professor YOUNG

157-158—Pausanias. 2 hours. Professor YOUNG

253-254—Greek Epigraphy. 1-2 hours. Professor WHEELER

Classical Proseminar

301-302—Lectures on the principles and methods of classical study, with Greek and Latin bibliography, and exercises. 2 hours. Professor KNAPP

Classical Seminar

303-304—Greek section: Æschylus. One session weekly throughout the year, counting as a three-hour course. Professor PERRY

Courses in Barnard College

1-2—Beginners' course: Grammar, composition, Xenophon's *Anabasis*, Homer's *Iliad*. 5 hours. Dr. STURTEVANT

3-4—Homer and Euripides. Greek life and thought. 3 hours. Dr. SHEAR

5-6—Plato and Xenophon. Prose composition. 3 hours. Miss HIRST, Dr. SHEAR, and Dr. STURTEVANT

7-8—Sophocles and Lucian. 2 hours. Professors PERRY and YOUNG

9-10—Herodotus and Thucydides. 3 hours. Miss HIRST and Dr. SHEAR

- 15-16—Æschylus and Plato. 3 hours. Dr. SHEAR and Miss HIRST
 17-18—Elementary Greek prose composition. 1 hour. Dr. SHEAR
 19-20—Greek literature. 2 hours. Dr. SHEAR
 23-24—Advanced Greek prose composition. 1 hour. Miss HIRST
 25-26—Greek life and thought. 1 hour. Dr. SHEAR

Courses in Teachers College

Education 171-172—Theory and practice of teaching Greek in secondary schools—Lectures, reports, and practical work. 3 hours. Professor LODGE

Gynecology

EDWIN B. CRAGIN, M.D.....	<i>Professor</i>
PORTER F. CHAMBERS, M.D.....	<i>Clinical Professor of Gynecology</i>
FRANK R. OASTLER, M.D.....	<i>Associate in Gynecology</i>
FRANK S. MATHEWS, M.D.....	<i>Associate in Gynecology</i>
HOWARD C. TAYLOR, M.D.....	<i>Instructor in Clinical Gynecology</i>
CHARLES I. PROBEN, M.D.....	<i>Instructor</i>
GEORGE H. RYDER, M.D.....	<i>Instructor</i>
PERCY H. WILLIAMS, M.D.....	<i>Instructor</i>

Clinical Assistants

WM. L. BRADLEY, M.D.	HAROLD D. MEEKER, M.D.
ROBERT M. BROWN, M.D.	AUGUSTINE W. ROFF, M.D.

Courses

See preliminary paragraphs, page 55

52—The principles and practice of gynecology—Lectures, 3 a week, 2 didactic and 1 clinical. Professor CRAGIN

53—Recitations and demonstrations. 1 hour a week for each student. Dr. MATHEWS

55-56—Minor operations and demonstrations to small sections at the Roosevelt Hospital. 2 a week for four weeks. Dr. TAYLOR

57-58—Practical instruction in diagnosis, treatment, and the use of instruments. 12 lessons for each student, at the Vanderbilt Clinic. Drs. OASTLER, PROBEN, RYDER, and WILLIAMS

59-60—Hospital clinic in operative gynecology—Roosevelt Hospital, McLane Operating Theatre, Dr. TUTTLE (optional)

61-62—Clinic in Operative Gynecology—Woman's Hospital. Tu. at 2.30 P.M. Professor CHAMBERS (optional)

Histology and Embryology

(See note under Pathology, page 140)

FREDERICK RANDOLPH BAILEY, M.D.....	<i>Adjunct Professor</i>
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ADAM MARION MILLER, A.M.....	<i>Instructor</i>
OLIVER S. STRONG, A.M., Ph.D.....	<i>Instructor</i>
CHARLES HENDEE SMITH, M.D.....	<i>Assistant</i>

Courses

51-52—Practical instruction in histology and embryology. 7½ hours. Professor BAILEY and Drs. STRONG, MILLER, and SMITH

Equipment

Instruction in histology and embryology is given in the east laboratory on the upper floor of the north wing of the Medical School. This is a large, well lighted, and fully equipped laboratory in which each student is assigned a table which he occupies during the course and which is supplied with a microscope and with the instruments and reagents necessary for the practical laboratory work.

History and Political Philosophy

WILLIAM MILLIGAN SLOANE, Ph.D., L.H.D., LL.D.	<i>Seth Low Professor</i>
HERBERT LEVI OSGOOD, Ph.D., LL.D.....	<i>Professor</i>
WILLIAM ARCHIBALD DUNNING, Ph.D., LL.D.	<i>Lieber Professor of History and Political Philosophy</i>
JAMES HARVEY ROBINSON, Ph.D.....	<i>Professor</i>
WILLIAM ROBERT SHEPHERD, Ph.D.....	<i>Professor</i>
JAMES THOMSON SHOTWELL, Ph.D.....	<i>Professor</i>
GEORGE WILLIS BOTSFORD, Ph.D.....	<i>Adjunct Professor</i>
VLADIMIR G. SIMKHOVITCH, Ph.D.....	<i>Adjunct Professor</i>
MAUDE ALINE HUTTMANN, A.M.....	<i>Tutor</i>
CARLTON HUNTLEY HAYES, A.M.....	<i>Lecturer</i>
WILLIAM WATSON DAVIS, A.M.....	<i>Lecturer</i>

Courses

See preliminary paragraphs, page 55

A1-A2—Epochs of ancient, mediæval, and modern history. 3 hours. Columbia College, Professor SHEPHERD, Mr. HAYES, Mr. DAVIS, and assistants. Barnard College, Professor SHOTWELL and Miss HUTTMANN

3-4—Greece and early Rome. 3 hours. Barnard College and Columbia College. Professor BOTSFORD

[5-6—The Roman empire. 3 hours. Professor BOTSFORD]

9-10—Continental European history, modern and contemporaneous. 3 hours. Columbia College, Professor SHOTWELL and Mr. HAYES; Barnard College, Professor SHOTWELL and Miss HUTTMANN

11-12—Survey of English history. 3 hours. Barnard College. Professor BEARD

13-14—History of the United States to the close of Reconstruction. 3 hours. Columbia College, Professor DUNNING; Barnard College, Professor SHEPHERD and Mr. DAVIS

103—History of India and of Persia. 2 hours. Professor JACKSON

104—The rise of Arabian civilization and the spread of Mohammedanism. 2 hours. Professor GOTTHEIL

109—The history of Western Asia and Egypt. 2 hours. Professor PRINCE

111-112—The language, literature, government, and social life of the Chinese. 1 hour. Professor HIRTH

113-114—History of China. 1 hour. Professor HIRTH

121-122—The intellectual history of Western Europe from the Augustan period to the eighteenth century. 3 hours. Columbia College, Professor ROBINSON and Mr. HAYES; Barnard College, Professor ROBINSON and Miss HUTTMANN

125-126—Constitutional history of England to 1660. 2 hours. Professor OSGOOD

[151—European history, 1815-1848. 4 hours. Professor SLOANE]

153—Contemporary European history since 1848. 4 hours. Professor SLOANE

[157-158—History of Great Britain during the eighteenth and nineteenth centuries. 2 hours. Professor OSGOOD]

161-162—Political and constitutional history of the United States. 2 hours. Columbia College, Professor BURGESS

169-170—The system of government in the United States. 2 hours. Barnard College, Professor SHEPHERD and Mr. DAVIS

181-182—General history of political theories. 2 hours. Professor DUNNING

[213-214—The period of transition in Roman history from the republic to the empire. 2 hours. Professor BOTSFORD]

215-216—Greek constitutional history. 2 hours. Professor BOTSFORD

217-218—The Roman empire. 2 hours. Professor BOTSFORD

[221—Later Roman empire and early Middle Ages. 4 hours. Professor SHOTWELL]

223—Europe in the twelfth and thirteenth centuries. 4 hours. Professor SHOTWELL

[226—The so-called Italian renaissance and the opening of the Protestant revolt. 2 hours. Professor Robinson.]

229-230—Ancient and mediæval church history.¹ Professors McGIFFERT and ROCKWELL

¹ Given at the Union Theological Seminary.

231-232—Modern and American church history.¹ Professor ROCKWELL

233-234—History of thought in the primitive Catholic Church.¹ Professor McGIFFERT

235-236—History of Protestant thought.¹ Professor McGIFFERT

237—English church history.¹ Professor McGIFFERT

238—History of early Christian literature.¹ Professor McGIFFERT

239-240—Principles and methods of historical investigation.¹ Professor ROCKWELL

241-242—Religious thought in the Middle Ages.¹ Professor McGIFFERT

243—History of the Church during the first three centuries.² Professor KINSMAN

244—Period of the councils.² Professor KINSMAN

245—Studies in the apostolic age.² Professor KINSMAN

246—Church of the middle ages and continental reformation.² Professor KINSMAN

247—History of the Church of England.² Professor KINSMAN

248—The church in Smyrna.² Professor KINSMAN

249—The church in Jerusalem.² Professor KINSMAN

252—The reforms of the French revolution. 4 hours. Professor ROBINSON

253—The economic and social evolution of Russia since 1800. 2 hours. Professor SIMKHOVITCH

[261-262—American colonial history during the seventeenth century. 2 hours. Professor OSGOOD]

263-264—American colonial history during the eighteenth century. 2 hours. Professor OSGOOD

267-268—The United States from 1850, with special reference to the Civil War and Reconstruction. 2 hours. Professor DUNNING]

271-272—History of Spanish America. 2 hours. Professor SHEPHERD

[273-274—The development of the West since 1803. 2 hours. Professor SHEPHERD]

281-282—American political philosophy. 2 hours. Professor DUNNING

311-312—Seminar in Greek and Roman history. 2 hours, bi-weekly. Professor BOTSFORD

¹ Given at the Union Theological Seminary.

² Given at the General Theological Seminary.

321—Historical bibliography; the sources of European history; methods of historical study. 2 hours. Professors ROBINSON, SHOTWELL, and SIMKHOVITCH

323-324—Seminar in primitive institutions in Europe. 1 hour. Professor SHOTWELL

331-332—Seminar in church history.¹ Professors MCGIFFERT and ROCKWELL

357—The work of Napoleon. 2 hours. Professor SLOANE

361-362—The American Revolution. 2 hours. Professor OSGOOD

[363-364—Seminar in American colonial history. 1 hour. Professor OSGOOD]

365—European politics and the war of 1812. 2 hours. Professor SLOANE

367-368—Seminar in later United States history. 1 hour. Professor DUNNING

371-372—Seminar in the early history of the South and West. 2 hours, bi-weekly. Professor SHEPHERD

381-382—Seminar in political philosophy. 1 hour. Professor DUNNING

Equipment

The University Library contains many of the great published collections for the study of ancient, mediæval, and modern history. The special library of history and political science numbers upwards of 120,000 volumes. The great libraries of New York, Astor, Lenox, and Tilden foundations, those of the New York and Long Island Historical Societies, and of the Bar Association are, under certain conditions, also accessible to students. Fuller information as to courses and opportunities for historical work is given in the *Announcement of the Division of History, Economics, and Public Law*, which may be obtained by applying to the Secretary of the University. Under the auspices of the Academy of Political Science, to which advanced students are eligible as members, opportunities are given for the discussion of questions of interest as presented in papers by specialists.

The department employs in its work the best French and German historical maps and one of the four largest relief globes ever made.

Hospital Economics

Five courses in Hospital Economics are offered under the auspices of Teachers College. For details see the *Announcement of Teachers College* and the special *Hospital Economics Announcement*.

See also Botany and Zoölogy, pages 67 and 165 respectively.

¹ Given at the Union Theological Seminary.

Latin

HARRY THURSTON PECK, Ph.D., L.H.D., LL.D.....	<i>Anthony Professor</i>
JAMES C. EGBERT, Ph.D.....	<i>Professor</i>
NELSON G. MCCREA, Ph.D.....	<i>Professor</i>
GONZALEZ LODGE, Ph.D., LL.D.....	<i>Professor of Latin and Greek in Teachers College</i>
CHARLES KNAPP, Ph.D.....	<i>Professor of Classical Philology in Barnard College</i>
GEORGE N. OLCOTT, Ph.D.....	<i>Adjunct Professor</i>
GERTRUDE MARY HIRST, Ph.D.....	<i>Instructor in Classical Philology in Barnard College</i>
THEODORE LESLIE SHEAR, Ph.D.....	<i>Tutor in Classical Philology in Barnard College</i>
EDGAR HOWARD STURTEVANT, Ph.D.....	<i>Tutor in Classical Philology in Barnard College</i>
CHRISTIAN K. F. HÜLSEN, Ph.D.....	<i>Lecturer</i>

Courses

See preliminary paragraphs, page 55

A 1-A 2—First half-year: *Livy*, xxi-xxii. Second half-year: *Odes* and *Epodes* of Horace. 3 hours. Professors PECK, EGBERT, MCCREA, and OLCOTT

1-2—Tacitus: *The Annals* (Books i-iii). Professor OLCOTT. Horace: 3 hours. *Satires*. Professor EGBERT

[3-4—First half-year: Cicero's *Letters*. Second half-year: Pliny's *Letters*. 2 hours. Professor MCCREA]

5-6—Juvenal and Martial. 2 hours. Professor PECK

[7-8—Terence: *Andria* and *Adelphoe*. Plautus: *Amphitruo* and *Captivi*. 2 hours. Professor MCCREA]

[9-10—Terence: *Andria* and *Heautontimorumenos*. 2 hours. Professor PECK]

[11-12—Prose composition. 1 hour. Professor EGBERT]

13-14—First half-year: the *Tusculans* of Cicero. Second half-year: Catullus and Tibullus. 2 hours. Professor MCCREA.

17-18—Prose composition. 1 hour. Professor MCCREA

[103-104—Rapid reading of Horace and Ovid. 2 hours. Professor PECK]

[105-106—Lectures on the history of Greek and Roman prose fiction. 2 hours. Professor PECK]

[107-108—Roman history. Tacitus, *Annals* xi-xvi. 3 hours. Professor EGBERT]

109-110—Roman historiography. 2 hours. Professor EGBERT

- [111-112—Lucretius (i-iii and v). 3 hours. Professor McCREA]
- [113-114—Selections from Apuleius (*The Asinus Aureus*). 2 hours. Professor PECK]
- [115-116—Roman oratory: Cicero's *Verrine Orations*. 2 hours. Professor McCREA]
- [117-118—Roman oratory. Cicero: *De Oratore*, *Pro Milone*, *Philippica ii.*, *Pro Cluentio*. 3 hours. Professor McCREA]
- 119-120—Latin prose composition (advanced course). 1 hour, to count as 2 hours. Professor McCREA
- [121-122—The *Cena Trimalchionis* of Petronius. 2 hours. Professor PECK]
- [123-124—The history of classical philology. Lectures. 2 hours. Professor PECK]
- [125-126—Roman tragedy. The Fragments and Seneca. 3 hours. Professor KNAPP]
- [127-128—Plautus: *Mostellaria*. Seneca: *Medea*. 3 hours. Professor PECK]
- 129-130—Readings from Seneca and other Latin of his period. 2 hours. Professor PECK
- 151-152—Roman epigraphy (introductory course). 2 hours. Professor EGBERT
- [155-156—Private life of the Romans. Lectures and readings. 2 hours. Professor OLCOTT]
- 175-176—The topography and monuments of ancient Rome. The kingly and republican periods to B.C. 31. 2 hours. Professor OLCOTT
- [177-178—The topography and environment of ancient Rome. The Empire. 2 hours. Professor OLCOTT]
- [201-202—The history of Latin syntax. 2 hours. Professor LODGE]
- 205-206—Roman lyric and elegiac poetry. 2 hours. Professor McCREA
- [207-208—Latin manuscripts. 1 hour. Professor EGBERT]
- [209-210—Roman satire in its historical development. 3 hours. Professor EGBERT]
- [215-216—Roman epic poetry. 3 hours. Professor KNAPP]
- [217-218—Roman philosophy. Lectures, with a careful reading of Cicero's *De Officiis* and *Tusculanæ*. 3 hours. Professor PECK]
- [219-220—Latin literature. Period of the Republic. 2 hours. Professor PECK]
- [221-222—Latin literature. Period of the Empire. 2 hours. Professor PECK]

223-224—The Italic dialects—Umbrian, Osco-Sabellian, Faliscan. 1 hour. Professor OLCOTT

[227-228—Latin versification. Theory and practice. 1 hour. Professor PECK]

[257-258—Roman epigraphy (advanced course). 2 hours. Professor OLCOTT]

261-262—Introduction to the study of Roman numismatics. 1 hour. Professor OLCOTT

263-264—Roman topography, with illustrations and special conferences. 2 hours weekly during the second term. Professor HÜLSEN

[269—Roman archæology. Lectures. 2 hours, first half-year. Professor EGBERT]

[270-271—The historical development of the Latin language. 2 hours. Professor PECK]

Classical Proseminar

Lectures on the principles and methods of classical study, with Greek and Latin bibliography. 2 hours. Professor KNAPP

Classical Seminar

Latin section: Latin literature of the early Empire. 1 hour weekly. Professor EGBERT

Attendance is obligatory upon candidates for the degree of Doctor of Philosophy and is strongly recommended to those for the Master's degree whose major subject lies in this department.

Seminar on Roman monumental art. Second term: one session of 2 hours weekly. Professor HÜLSEN

Courses in Barnard College

A1-A2—Horace, *Odes* (selections); Roman Life and Thought (lectures and readings). 3 hours. Professor KNAPP and Dr. SHEAR

B1-B2—First half-year: Cicero, *De Senectute* and *De Amicitia*; prose composition. Second half-year: Livy, xxi-xxii (selections); prose composition. 3 hours. Professor KNAPP and Dr. STURTEVANT

1-2—First half-year: Catullus and Tibullus. Dr. HIRST. Second half-year: Horace, *Satires*. 2 hours. Professor Knapp

3-4—First half-year: Pliny, *Epistles* (selections). Second half-year: Tacitus, *Dialogus* and the *Agricola*. 3 hours. Dr. STURTEVANT and Dr. HIRST

5-6—First half-year: Cicero, *Tusculan Disputations*. Second half-year: Seneca (tragedies). 3 hours. Dr. STURTEVANT and Dr. HIRST

7-8—First half-year: Terence, *Andria* and *Adelphoë*. Second half-year: Plautus, *Captivi* and *Mostellaria*. 2 hours. Professor KNAPP

9-10—Latin literature (lectures and required reading). 2 hours.
Professor KNAPP

13-14—Elementary Latin prose composition. 1 hour. Professor
KNAPP

15-16—Intermediate Latin prose composition. 1 hour. Dr. HIRST

17-18—Advanced Latin prose composition. 1 hour. Dr. HIRST

19-20—Roman Life and Thought. 1 hour. Professor KNAPP

Courses in Teachers College

Education 175-176—The teaching of Latin in secondary schools. 3
hours. Professor LODGE

Education 275-276—Practicum in Latin.—Cæsar and Vergil. 2
hours. Professor LODGE

Latin 51-52—Latin readings. 3 hours. Professor LODGE

101-102—Latin readings. Advanced. 2 hours. Professor LODGE.

LAW

Municipal or Private Law

GEORGE W. KIRCHWEY, LL.D.....*Kent Professor*
FRANCIS M. BURDICK, LL.D.....*Dwight Professor*
GEORGE F. CANFIELD, A.M., LL.B.....*Professor*
HENRY S. REDFIELD, A.M., LL.D.....*Nash Professor*
CHARLES THADDEUS TERRY, A.B., LL.B.....*Professor*
NATHAN ABBOTT, A.B., LL.B.....*Professor*
HARRY ALONZO CUSHING, Ph.D., LL.B.....*Professor*
GOLDTHWAITE H. DORR, A.B., LL.B.....*Lecturer*

Courses

See preliminary paragraphs, page 55

101-102—Contracts. 4 hours. Professor TERRY

103—Criminal law. 3 hours. Professor CUSHING

104—Equity I. 3 hours. Professor ABBOTT

105—Elements of law. 3 hours. Professor MUNROE SMITH

106—Pleading I. 3 hours. Professor REDFIELD

107-108—Property I. 2 hours. Professor KIRCHWEY

109-110—Torts. 2 hours. Professor BURDICK

[204—Admiralty. 2 hours. Mr. DORR]

201—Agency. 3 hours. Professor CUSHING

- 202—Carriers. 3 hours. Mr. DORR
 [206—Bankruptcy. 2 hours. Professor CUSHING]
 [203—Damages. 2 hours] .
 205—Domestic relations. 2 hours. Professor ABBOTT
 207-208—Equity II. 2 hours. Professor ABBOTT
 211—Insurance. 2 hours. Mr. DORR
 209-210—Negotiable paper. 2 hours. Professor BURDICK
 213-214—Pleading II. 2 hours. Professor REDFIELD
 215-216—Property II. 2 hours. Professor KIRCHWEY
 217—Quasi contracts. 3 hours. Professor CUSHING
 219-220—Sales. 2 hours. Professor BURDICK
 221-222—Corporations. 2 hours. Professor CANFIELD
 223-224—Equity III. 2 hours. Professor ABBOTT
 225-226—Evidence. 2 hours. Professor KIRCHWEY
 227—Mortgages. 3 hours. Professor CUSHING
 228—New York trusts. 2 hours. Professor CANFIELD
 229-230—Partnership. 2 hours. Professor BURDICK
 231—Pleading III. 3 hours. Professor REDFIELD
 233-234—Property III. 2 hours. Professor ABBOTT
 232—Suretyship. 2 hours. Professor CUSHING
 [235—Receivers. 2 hours]
 236—Wills. 3 hours. Professor REDFIELD

Public Law and Jurisprudence

JOHN WILLIAM BURGESS, Ph.D., LL.D.....	<i>Ruggles Professor</i>
¹ MUNROB SMITH, J.U.D., LL.D.....	<i>Professor</i>
FRANK JOHNSON GOODNOW, LL.D.....	<i>Eaton Professor</i>
² JOHN BASSETT MOORE, LL.D.....	<i>Hamilton Fish Professor</i>

The courses in this department fall into two divisions: public law and jurisprudence. The purpose of the courses in public law is to give a complete general view of international, constitutional, and administrative law. They serve primarily to supplement the courses in the Departments of History and Economics, and to give with them a complete system of political science. In the second place, they supplement the courses offered by the Faculty of the School of Law, constituting with these a well-rounded legal curriculum. The courses in international, constitutional, and administrative law are also recommended to journalists, students of philosophy and theology, and in

¹ Absent on leave second half-year.

² Absent on leave.

general to all who desire to understand the organization and working of governmental systems. The courses on private rights under the Constitution of the United States, on the law of taxation, on the law of municipal corporations, and on conflict of laws are more professional in their character, and are chiefly intended for law students.

The courses in Roman law and comparative jurisprudence, while constituting an integral portion of a complete legal education, will be found useful to all those who desire a general comprehension of the principles of private law rather than a professional training in its details. The introductory course upon the Elements of Law (161), that upon the Roman law (263-264), and that upon European legal history (265-266) are especially recommended to students of history, economics, and philosophy.

For information as to the Theodore Roosevelt Professorship see page 40.

For the significance of course numbers see page 55

Courses in Public Law

A—Constitutional Law

201-202—Comparative constitutional law of the principal modern states—Lectures. 2 hours. Professor BURGESS

203-204—Private rights and immunities under the Constitution of the United States—Discussion of cases. 2 hours. Professor BURGESS

101-102—American constitutional law in its historical development—Lectures. 2 hours. (Identical with History 169-170) Professor BURGESS

319-320—Advanced seminar in constitutional law—Investigation and discussion. 1 hour. Professor BURGESS

The courses in the constitutional history of Europe and England (*cf.* courses in history) are regarded as a necessary introduction to the above courses in constitutional law.

B—International Law

221—History of diplomacy—Lectures. 2 hours. Dr. SCOTT

120—History of American diplomacy—Lectures. 2 hours. Dr. SCOTT

223-224—International law—Lectures. 2 hours. Dr. SCOTT

337-338—Seminar in international law. 2 hours. Dr. SCOTT

C—Administrative Law

141—Public law.—Administrative law of the United States and the Principal European States. 2 hours. Professor GOODNOW

242—Law of officers (extraordinary legal remedies). 2 hours.
Professor GOODNOW

243—Public Law—History and principles of colonial administration. 2 hours. Professor GOODNOW

244—Public Law—Municipal science and administration. 2 hours.
Professor GOODNOW

245—Law of municipal corporations—Lectures and discussion of cases. 2 hours. Professor GOODNOW

246—Law of taxation—Lectures and discussion of cases. 2 hours.
Professor GOODNOW

341-342—Public Law.—Seminar in administrative law. 1 hour.
Professor GOODNOW

Courses in Roman Law and Comparative Jurisprudence

161—Elements of Law—Lectures and assigned reading. 3 hours.
Professor MUNROE SMITH

263-264—Roman Law—Lectures, assigned reading, and discussion of cases. 2 hours. Professor MUNROE SMITH

265-266—History of European law (early German law; Frankish law; feudalism; the canon law; the law merchant; the reception of the Roman civil law; the modern civil codes)—Lectures. 2 hours.
Professor MUNROE SMITH

268—Modern civil law of western Europe: Introduction to the private law of France, Italy, Spain, and Germany—Lectures. 3 hours.
Professor MUNROE SMITH

269-270—Conflict of laws—Lectures and discussion of cases. 1 hour. Professor MUNROE SMITH

[377-378—Seminar in legal history and comparative legislation. 1 hour. Professor MUNROE SMITH]

379-380—Advanced seminar in comparative jurisprudence. 1 hour. Professor MUNROE SMITH

Politics

CHARLES AUSTIN BEARD, Ph.D. *Adjunct Professor*
HENRY S. GILBERTSON, A.B. *Assistant*

Courses

1-2—American government. 3 hours. Professor BEARD

3—American political parties. 3 hours. Professor BEARD

4—Comparative politics. 3 hours. Professor BEARD

Materia Medica

(See page 142.)

Manual Training

Eighteen courses in Manual Training are offered under the auspices of Teachers College. For details see the *Announcement of Teachers College*, which will be sent without charge, upon application to the Secretary of the University.

(See also Shop Work, page 163)

Mathematics

J. HOWARD VAN AMRINGE, Ph.D., L.H.D., LL.D.....	Professor
THOMAS SCOTT FISKE, Ph.D.....	Professor
FRANK NELSON COLE, Ph.D.....	Professor
JAMES MACLAY, Ph.D.....	Professor
DAVID EUGENE SMITH, Ph.D.....	Professor
CASSIUS JACKSON KEYSER, Ph.D.....	Adrain Professor
HENRY BEDINGER MITCHELL, E.E., A.M.....	Professor
EDWARD KASNER, Ph.D.....	Adjunct Professor
GEORGE HERBERT LING, Ph.D.....	Instructor
CLIFFORD BREWSTER UPTON, A.B.....	Instructor in Teachers College
ARTHUR RAY MAXSON, A.M.....	Tutor
LEWIS PARKER SICELOFF, A.M.....	Tutor
WILLIAM C. KRATHWOHL, A.B.....	Tutor
BERTHA L. BROOMELL, B.S.....	Tutor in Teachers College
HARRY WILFRED REDDICK, A.M.....	Assistant
CHARLES A. ISAACS, A.B.....	Assistant

Courses

For the significance of course numbers, see page 55

A¹—Geometry. 2 hours, first half-year. Professor H. B. MITCHELL, Dr. LING, Mr. MAXSON, and Mr. SICELOFF

A²—Trigonometry. 2 hours, first half-year. Professor H. B. MITCHELL, Dr. LING, Mr. MAXSON, and Mr. SICELOFF

A³—Algebra. 2 hours, second half-year. Professor H. B. MITCHELL, Dr. LING, Mr. MAXSON, and Mr. SICELOFF

2—Trigonometry—Spherical trigonometry with applications. 2 hours. Professor H. B. MITCHELL, Mr. MAXSON, and Mr. SICELOFF

3—4—Analytical geometry. 3 hours. Professor H. B. MITCHELL, Dr. LING, Mr. MAXSON, and Mr. SICELOFF

5-6—Differential and integral calculus. 3 hours, first half-year.
Professor VAN AMRINGE

5-6—Differential and integral calculus. 5 hours, first half-year.
Professors VAN AMRINGE, FISKE, MACLAY, and KEYSER

7—Projective geometry. 3 hours. Dr. LING

9—Solid analytical geometry. 3 hours. Mr. MAXSON

[11—Higher algebra. 3 hours. Mr. SICELOFF]

12—Mathematics of statistics. 3 hours. Dr. LING

105—Theory of numbers. 3 hours. Dr. LING

[111-112—Modern higher algebra. 3 hours. Dr. LING]

113-114—Differential equations. 2 hours. Professor H. B. MITCHELL

[115-116—Geometrical analysis. 3 hours. Professor H. B. MITCHELL]

151-152—History of mathematics. 2 hours. Professor SMITH

201-202—Advanced calculus—Introduction to the theory of functions of a real variable. 3 hours. Professor FISKE

[203-204—Theory of functions of a complex variable. 3 hours. Professor FISKE]

205-206—Introduction to the theory of functions. 3 hours. Professor COLE

[207-208—Theory of groups. 3 hours. Professor COLE]

209-210—Functions defined by linear differential equations. 3 hours. Professor FISKE

[211-212—The general theory of assemblages. 3 hours. Professor KEYSER]

[213-214—Theory of invariants. 3 hours. Professor COLE]

216—Advanced theory of numbers. 3 hours. Dr. LING

[217-218—The application of the calculus to the theory of surfaces. 3 hours. Professor MACLAY]

221-222—Theory of plane curves. 3 hours. Professor COLE

223-224—The principles of mathematics. 3 hours. Professor KEYSER

227-228—Elliptic functions. 3 hours. Professor MACLAY

229-230—The application of the calculus to the theory of surfaces and curves in space. 3 hours. Professor MACLAY

231-232—Modern theories in geometry. 3 hours. Professor KEYSER

233-234—Geometry of dynamical systems. 2 hours. Professor KASNER

[235-236—Contact transformations and applications. 2 hours. Professor KASNER]

Courses in Barnard College

A¹-A²—Geometry, algebra, and trigonometry. 3 hours. Professor KASNER and Mr. KRATHWOHL

21—Analytical geometry. 3 hours. Professor KASNER

22—Elements of the calculus. 3 hours. Professor KASNER

23-24—Theory of equations. 3 hours. Mr. KRATHWOHL

25-26—Calculus. 3 hours. Professor COLE

[27-28—Projective geometry. 3 hours. Mr. KRATHWOHL]

[29-30—Differential equations. 3 hours. Professor KASNER]

31-32—Advanced analytical geometry. 3 hours. Mr. KRATHWOHL

33-34—The fundamental concepts of modern mathematics. 3 hours. Professor KASNER

Equipment

In connection with the Department of Mathematics and in addition to the regular library facilities there is a large and fully equipped reading-room, 501 Fayerweather, in which are available the current numbers of over one hundred and fifty mathematical journals and periodicals, including nearly every mathematical journal of standing published.

The laboratory equipment of the department has been greatly increased and is among the best in the country. The recent acquisitions of mathematical models and instruments include the famous collections of Wiener and Schilling. By means of models and charts are illustrated the theory of elementary solid geometry, plane and solid analytic geometry, descriptive and projective geometry, higher plane and twisted curves and higher surfaces and their singularities, together with many of the more intricate concepts and forms in the general theory of functions, elliptic functions, infinite series and products, and analysis situs. Room 503 Fayerweather has been set apart as a mathematical laboratory and model room.

Teachers College is well supplied with models and apparatus for use in teaching mathematics in all grades, from the kindergarten through the high school, together with various instruments for mechanical computation. For work in the history of mathematics a large collection of stereopticon slides has been prepared, illustrating many of the most interesting manuscripts and early books on mathematical subjects.

Mechanical Engineering

CHARLES E. LUCKE, M.S., Ph.D.....	Professor
WALTER RAUTENSTRAUCH, M.S.....	Professor
JAMES M. DODGE, M.E.....	Associate
CHARLES B. GOING, Ph.B.....	Associate
HARRY L. PARR, A.B., M.E.....	Instructor
CHARLES W. THOMAS, M.E.....	Tutor
LOUIS DOELLING.....	Lecturer
RICHARD T. LINGLEY, C.P.A.....	Lecturer
FREDERICK W. O'NEIL, M.E.....	Lecturer
FREDERICK OPHULS, M.E.....	Lecturer
WILLIAM H. WHITE, B.E.....	Lecturer
HENRY HESS.....	Lecturer
CHARLES DAY, B.S., E.E.....	Lecturer
HARRINGTON EMERSON, M.A.....	Lecturer
JAMES N. GUNN.....	Lecturer
CHARLES U. CARPENTER, M.E., E.E.....	Lecturer
HUGH M. WHARTON, M.E.....	Lecturer
EDWARD D. THURSTON, Jr., A.B., M.E.....	Assistant

Courses

See also preliminary paragraphs, page 55

11-12—Steam power machinery. 3 hours and 1 afternoon. Professor LUCKE

13-14—The steam-engine and its accessories—steam power machinery continued. 3 hours. Professor LUCKE

17-18—Technical thermodynamics. 1 hour. Professor LUCKE

19—Steam-engine design. 6 hours and 4 afternoons. Professor RAUTENSTRAUCH and Mr. THOMAS

22—Gas power machinery. 4 hours and 1 afternoon, second half-year. Professor LUCKE and Mr. PARR

26—Steam power plant design. 3 hours and 3 afternoons. Professor LUCKE and Mr. THOMAS

31-32—Experimental engineering. 1 hour and 1 afternoon. Mr. PARR and Mr. THURSTON

33—Experimental engineering—Continuation of Course 31-32. 2 hours lecture and 1 afternoon. Mr. PARR and Mr. THURSTON

36—Kinematics. 2 afternoons. Professor RAUTENSTRAUCH and Mr. THOMAS

39-40—Principles of machine design. 1 hour and 2 afternoons. Professor RAUTENSTRAUCH and Mr. THOMAS

41—Machine design. Short course for students in Civil and Electrical Engineering. 1 hour and 1 afternoon. Professor RAUTENSTRAUCH and Mr. THOMAS

46—Water power machinery. 3 hours. Mr. WHITE and Mr. PARR

52—Works management. 2 hours. Professor RAUTENSTRAUCH, and Messrs. GOING, CARPENTER, EMERSON, GUNN, and LINGLEY

53—Steam turbines. 2 hours. Mr. PARR

54—Principles of machine manufacture. 2 hours. Professor RAUTENSTRAUCH

56—Water power installation. 1 hour. Professor LUCKE

59—Empiric design. Professor RAUTENSTRAUCH and Mr. THOMAS

60—Hydraulic laboratory. 1 afternoon. Mr. PARR

61—Seminar. 1 hour. Professor LUCKE

62—Refrigerating machinery. 1 hour. Mr. OPHULS

63—Hydraulic laboratory. 1 afternoon. Mr. PARR

64—Air machinery. 2 hours. Mr. O'NEIL

66—Elevators and conveyors. 1 hour. Mr. DODGE

68—Factory design. 2 hours and 1 afternoon. Professor RAUTENSTRAUCH, Messrs. DAY, HESS, and WHARTON

70—Pumping machinery. 2 hours. Mr. THURSTON

72—Gas power machinery. 2 hours and 1 afternoon. Professor LUCKE

74—Gas power machinery. 2 hours. Professor LUCKE

76-77—Experimental engineering—Selections from 31-32, 33. Mr. PARR and Mr. THURSTON

78—Kinematics. 1 afternoon. Professor RAUTENSTRAUCH

81-82—Heating and ventilation. 2 hours. Professor LUCKE

04s—Factory Summer Work—Memoir on second summer work. Professor RAUTENSTRAUCH

96s—Power plant Summer Work—Memoir on third summer work. Professor LUCKE

201-202—Special problems and original investigations in advanced mechanical engineering. Professor LUCKE

203-204—Mechanics of the steam turbine. Professor LUCKE

205-206—Vibration in machines. Professor LUCKE

207-208—Advanced machine design. Professor RAUTENSTRAUCH.

Equipment

This department is well equipped with offices for the usual work and for student conferences; lecture-rooms of various sizes; valuable col-

lections of models and specimens to illustrate the lectures; and draughting-rooms provided with large numbers of blue prints, photographs, and catalogues of standard and special machinery supplied by manufacturers, but the departmental equipment is chiefly remarkable in the excellent facilities available for the prosecution of experimental work, both for undergraduate students and graduate research. This experimental equipment includes all the standard and many special forms of measuring instruments, means for their calibration, and an unusually large collection of full-size standard machinery, covering practically every important class. This equipment is valued at approximately \$80,000.00, and the experimental laboratories, in which it is maintained, cover a floor space of approximately 10,000 sq. ft. Further details of this equipment are given in the departmental announcement.

Metallurgy

ARTHUR L. WALKER, E.M.....	<i>Professor</i>
HENRY M. HOWE, A.M., B.S., LL.D.....	<i>Professor</i>
¹ BRADLEY STOUGHTON, Ph.B., B.S.....	<i>Adjunct Professor</i>
WILLIAM CAMPBELL, Ph.D., D.Sc.....	<i>Adjunct Professor</i>
EDWARD F. KERN, Ph.D.....	<i>Instructor</i>

Courses

See introductory paragraphs, page 55

- 1—Metallurgy of copper. 2 hours. Dr. KERN
- 3—Metallurgy of lead, silver, gold, zinc, and minor metals. 3 hours lectures. Professor WALKER
- 4—Metallurgy of iron and steel—Longer course. 2 hours lectures. Professors HOWE and CAMPBELL
- 5a—Metallurgy of iron and steel—Shorter course. 2 hours lectures for nine weeks. Professor CAMPBELL
- 5b—Electrometallurgy. 2 hours lectures for six weeks. Dr. KERN
- 72—Laboratory work—Shorter course. 10 afternoons in all. Professor CAMPBELL, and Dr. KERN
- 171—Laboratory work—Longer course. 2 afternoons. Professor CAMPBELL, and Dr. KERN
- 175—The art of metallurgical investigation. 10 afternoons conference. Professor CAMPBELL
- 62—Summer course in non-ferrous metallurgy. Dr. KERN
- 64—Summer course in iron and steel. Professor CAMPBELL
- 62-64—Two courses of three weeks each are given at metallurgical works in studying the operations there carried out. The students are

¹ Resigned December 31, 1908

given individual and class instruction and are required to make complete descriptions of the various processes, including sketches of furnaces and apparatus.

52—Metallurgy of copper—Advanced course. 1 hour conference. Dr. KERN

53—Metallurgy of lead etc.—Advanced course. 1 hour conference. Professor WALKER

55a—Metallurgy of iron and steel—Advanced course. 1 hour conference. Professor CAMPBELL

55b—Electrometallurgy—Advanced course. 1 hour conference for six weeks. Professor WALKER and Dr. KERN

56—Metallurgy of alloys. 3 hours conference for nine weeks. Professor CAMPBELL

58—Metallography of iron, steel, and industrial alloys. Total of 3 lectures and 3 or more afternoons laboratory. Professor CAMPBELL

201-202—Special courses in pyrometry, the microstructure of metals and alloys, the chemistry of roasting processes, etc., consisting of personal instruction and original experimental investigation, will be arranged for advanced students, either at metallurgical works into processes in actual use there, or in the metallurgical and analytical laboratories of the department. Professor CAMPBELL and Dr. KERN

METALLURGICAL EXCURSIONS—During the term the students see, at the metallurgical works near the city, iron blast furnaces, Bessemer and open-hearth steel making, lead and copper smelting, copper Bessemerizing and refining by furnace and electrolytic methods, the desilverizing of base bullion, and the parting and refining of gold and silver by electrolytic and acid methods.

Equipment

LECTURE DIAGRAMS—There are very many large lecture diagrams showing the various metallurgical appliances, and the sequence of metallurgical processes, besides many models, drawings, and apparatus for lecture demonstrations—for instance, in the heat-treatment and rolling of metals and in wet processes.

METALLURGICAL COLLECTION—There is a collection of about 3000 specimens of ores, metals, and metallurgical products, and a rapidly forming collection of microscopic sections and photomicrographs of metals and alloys.

ANALYTICAL LABORATORY—The department has an analytical laboratory open to the students in Metallurgy.

METALLURGICAL LABORATORY—1. *Instruments of Precision of Metallurgy*—There are enough Le Chatelier thermo-electric pyrometers

to give each student the exclusive use of one throughout his course and many others of various kinds, some of great precision, some with autographic attachments, etc.

For the microscopic study of metals there are many special microscopes, with appliances for polishing, sclerometers, a drop-testing machine, a Fremont drop-testing machine, special testing machines for metals, ammeters, etc.

2. *For Analytical Metallurgy*, or the study of the principles and reactions of metallurgy taken singly as distinguished from the several industrial processes each taken as a unit, there are many special furnaces heated by electricity or gas, a small power-driven roll-train, etc.

3. *For Applied Metallurgy* there are, besides the common furnaces special crucible melting furnaces, muffles, etc., a cupola furnace, an English cupelling furnace, two small reverberatory roasting furnaces, a set of lixiviating and precipitating vats, amalgamating pans, kettles for desilverizing lead, a chlorinating barrel, storage batteries, voltmeters and ammeters for electrolysis, and a working stock of ores, refractory materials, fluxes, alloys, iron, and of very many varieties of steel.

4. *Advanced Students*—The laboratory gives advanced students and practitioners unusual advantages for investigating accurately the scientific and many of the economic problems of metallurgy.

METALLURGICAL LIBRARY—The Metallurgical Department has its own metallurgical library, about sixteen hundred volumes.

Mineralogy

ALFRED J. MOSES, E.M., Ph.D.....	<i>Professor</i>
LEA McI. LUQUER, C.E., Ph.D.....	<i>Adjunct Professor</i>
MAURICE A. LAMME, B.S., A.M.....	<i>Tutor</i>
G. SHERMAN ROGERS, A.B.....	<i>Assistant</i>

Courses

See preliminary paragraphs, page 55

1—Descriptive and determinative mineralogy. [C 6 hours, L 3 afternoons. Professors MOSES and LUQUER, Mr. LAMME, and Mr. ROGERS

3-4—General mineralogy—C 2 hours, L 1 afternoon. Professor MOSES

5—The minerals of building-stones and the common ores. C 2 hours, and L 1 afternoon. Professor LUQUER and Assistant

6—Optical mineralogy—Minerals in rock sections. L 2 afternoons for two months. Professor LUQUER and Assistant

7—Descriptive and determinative mineralogy. C 3 hours, L 2 afternoons. Professors MOSES and LUQUER, Mr. LAMME, and Mr. ROGERS

15-16—Mineralogy—Minerals important in the chemical industries. L 1 afternoon. Professor MOSES and Assistant

207-208—Optical mineralogy. C 1 hour, L 1 afternoon. Professor LUQUER

209-210—Physical crystallography. C 1 hour, L 1 afternoon. Professor MOSES

211-212—Mineralogy—Study of assigned subject. 12 hours for two years. Professor MOSES

Equipment

The work of the students in the college courses and in general mineralogy is performed in the lecture-room, in the blowpipe laboratory, and in the adjoining conference-room, in which are the student collections of crystal models and minerals and several thousand unlabelled specimens used in determinative work. The department possesses also about 1200 sections of minerals and rocks, and 1500 crystal models in wood and glass. Students in optical mineralogy use a separate room with north light, and for crystal measurements and monochromatic-light determinations there is provided a large dark-room.

The Egleston Mineralogical Museum contains about 30,000 labelled specimens, and includes a systematic collection; an economic collection of ores, building materials, and minerals used in chemical industries; a collection illustrating the genesis and alteration of minerals; a collection illustrating the characters of minerals; and small collections of artificial minerals and New York City minerals.

Mining

HENRY S. MUNROE, E.M., Ph.D., Sc.D.....	<i>Professor</i>
ROBERT PEELE, E.M.....	<i>Professor</i>
EDWARD L. KURTZ, E.M.....	<i>Adjunct Professor</i>
EDWARD K. JUDD, B.A., E.M.....	<i>Instructor</i>

Courses

See preliminary paragraphs, page 55

51—Excavation and tunnelling. 3 hours. Professor PEELE

52—Boring and shaft-sinking. 2 hours. Professor PEELE

54—Prospecting, exploration, development, and methods of working. 3 hours. Professor MUNROE

56—Mine engineering. Surface handling and transportation; trans-

shipment and storage of minerals. Drainage. Water supply. Ventilation. Accidents. Mine surveying, sampling, and valuation. 3 hours. Professor MUNROE

71-72—Mine plant. Hoisting, drainage, ventilating and compressed-air plant, machine drills, coal cutters, and underground handling and haulage. 3 hours. Professor PEELE

73—Mine constructions. Building materials, retaining walls, trestles, ore-bins, etc. 1 hour. Professor PEELE

75—Design of mine plant. Working drawings of specified portions of mine plant, made under supervision and advice in connection with graduating project. 4 afternoons. Professor PEELE, Professor KURTZ, and Mr. JUDD

77-78—Graduating thesis or project. Professor PEELE

80—Mill constructions. 1 hour. Professor KURTZ

81—Ore dressing, gold milling, and the mechanical preparation of coal. 4 hours. Professor MUNROE

82—Ore-dressing laboratory. Working tests. Adjustment, operation, and sampling of concentrating machines. Afternoon work for three weeks. Professor MUNROE, Professor KURTZ, and Mr. JUDD

91—Administration, organization, and business management. 2 hours. Professor MUNROE and Professor KURTZ

94—Mining law. 2 hours. Professor KURTZ

Summer Course

59s—The summer course of practical mining is held in June and July, in the vacation between the third and fourth years, and lasts six to eight weeks. Professor PEELE, Professor KURTZ, and Mr. JUDD

The course of instruction includes four to six weeks' detailed study of the plant and methods of working at some important mine or mines selected for the purpose; one week mine surveying; and one week or more excursion to other mines and mining regions. Arrangements are also made at other mines, by which students in small groups may substitute, for the above, independent study under the general direction of the department.

Graduate Courses

Special courses, consisting of personal instruction, reading, and experimental investigation, will be arranged for advanced students according to their individual needs and ability. These investigations will be made at mines and dressing works, either in connection with the summer school or elsewhere as assigned, with additional work, as required, in the library and in the laboratories of the department. These courses vary in difficulty and in the amount of time necessary

according as the student is a candidate for the degree of A.M. or Ph.D., and according as he pursues mining as a major or a minor subject. The time required is governed by the rule that a course or courses should occupy about 18 hours a week (outside reading and study included) if taken as a major subject, and about 9 hours a week if taken as a minor subject. The following are suggested:

101-102—Mining and ore dressing—Mining 54, 81, and 82. 4 hours, with laboratory work and reading as required.

103-104—Mining engineering—Mining 56, 71-72, and 91. 4 hours lectures and reading as required.

105-106—Design of mine plant—Mining 71, 72, 73, 75, and 77-78. 3 hours and 4 afternoons draughting-room work.

107-108—Design of ore-dressing works—Mining 80, 81, and 82, with 1 hour conference additional. 3 hours and 4 afternoons laboratory and draughting-room work.

109-110—Mining—51, 52, 54, 56, 59, 71-72, 73, 75, 77-78, 80, 81, 82, 91, and 94, being all the undergraduate courses in the Department of Mining.

201-202—Methods of mining—Critical study of methods used in some mining region, or for a certain class of deposits.

203-204—Mining plant—Critical study of rock drilling, or coal cutting, or hoisting, or haulage, or ventilating plant at some mine or mines.

205-206—Deep mining—Study of problems involved.

207-208—Ore dressing—Critical study of some detail of the ordinary dressing methods.

209-210—Examination of a coal-washing plant, or an ore-dressing plant—4 to 6 weeks' work in the mill and in the laboratory, with conferences.

211s —Examination of a mineral property, or a mine—4 to 6 weeks devoted to field and underground work, with conferences at convenience of professor.

213-214—Economic studies in mining—Study of existing conditions affecting the production and cost of some mineral or metal.

215—Mining, conference and reading. 1 hour. Professor MUNROB

Equipment

LECTURE ILLUSTRATIONS—The lectures on mining are illustrated by 5 sets of books aggregating over 300 volumes, and containing 85,000 blue prints from negatives made for the purpose. There are a sufficient number of these books, illustrating the different courses of lectures, so that each student has the use of one or more for reference

during the lectures and for home study. These blue prints have many advantages over the usual form of lecture illustrations by lantern slides or wall diagrams. The latter are, however, used when necessary to supplement the blue prints.

MINING LIBRARY—The University Library contains sets of the transactions of all mining, metallurgical, and engineering societies, and of the more important periodical publications on these subjects. There is also a large collection of books on mining, and all new publications of value are added as they appear. In addition, a small departmental reference library has been created, which is accessible to students at all times.

MINING MUSEUM—The subject of mining is illustrated by collections as follows: Maps of coal and metal mines of this and other countries. Working drawings, diagrams, and photographs of mine plant, and of mining and dressing machinery. Models of mines and parts of mines and of mine plant. Mining tools: picks, shovels, hammers, drills, blasting apparatus, lamps, safety-lamps, anemometers, and machine drills. Ores and dressing products from typical works in this and other countries. Surveying instruments: geological compasses and clinometers, attraction compasses, dipping needles, hanging compasses and arcs, transits, lamp signals, rods, and apparatus for plumbing and measuring shafts.

MINING LABORATORIES—The basement and sub-basement of the School of Mines are equipped as laboratories for the department of mining. These laboratories serve four purposes: 1. To illustrate the physical laws bearing on mineral separation. 2. To afford opportunity for quantitative working tests. 3. To train students in the adjustment and operation of concentrating machinery, and in the making of efficiency tests under working conditions. 4. To give advanced students and others all necessary facilities for original investigation.

MINES AND DRESSING WORKS—Many coal, iron, and other mines, slate and stone quarries, and metallurgical works are easily accessible. Within a radius of one hundred miles of New York City may be studied numerous examples of the best practice in mining and metallurgy under most varied conditions, and some of the most modern and effective mining and dressing machinery and smelting plants in the country. The excursions of the summer class in mining extend as far as the iron, copper, zinc, lead, silver, and gold regions of Michigan, Missouri, Montana, Colorado, Arizona, Utah, and California.

The metropolitan situation of the school renders it possible to present, also, as parts of the regular courses in mining, special lectures by prominent engineers. The list of such lecturers for 1908-09 and more detailed information as to the courses offered and as to the facilities

for instruction will be found in the *Announcement of the School of Mines. Engineering and Chemistry* 1908-09.

Music

CORNELIUS RUBNER, Mus. Doc. *Professor*
LEONARD BEECHER McWHOOD, A.B. *Adjunct Professor*

Courses

See preliminary paragraphs, page 55

- 1-2—General Musical Course. 1 hour. Professor McWHOOD
3-4—General Musical Course, advanced. 2 hours. Professor RUBNER
5-6—The Analysis of Musical Sound. 1 hour. Professor McWHOOD
7-8—Harmony. 2 hours. Professor McWHOOD
9-10—Advanced Harmony and Practical Composition. 1 hour. Professor McWHOOD
11-12—Counterpoint. 2 hours. Professor McWHOOD
13-14—Free Composition. 1 hour. Professor RUBNER
15-16—Orchestration. 1 hour. Professor RUBNER
25-26—Musical Dictation. 1 hour. Professor McWHOOD
[27-28—Musical Dictation, advanced. 1 hour. Professor McWHOOD. Not given in 1908-09.]
31-32—University Orchestra. 2 hours. Professor RUBNER
[33-34—University Chorus. 1 hour. Professor RUBNER. Not given in 1908-09.]
101-102—Free Composition, advanced, 1 hour. Professor RUBNER
103-104—Orchestration and Symphonic Form, advanced. 1 hour. Professor RUBNER

Ten courses in Teaching and Supervision of Music are offered at Teachers College. (See the *Announcement of Teachers College*.)

The Department of Music offers numerous concerts and recitals to the University. These include various concerts of chamber music, organ recitals, an annual recital of original compositions by students in the department, and the regular concerts of the University Orchestra.

Equipment

A collection of music and of books of reference is placed at the disposal of students. It includes the complete works of various composers, many orchestral and opera scores, the piano-forte classics, and vocal music, besides many theoretical, historical, and biographical

works. The department has also a collection of instruments for the use of students participating in the University Orchestra.

Nature Study

(See Botany and Zoölogy)

Three courses in Nature Study and Agriculture are offered under the auspices of Teachers College. For details see the *Announcement of Teachers College*.

Neurology

M. ALLEN STARR, M.D., LL.D., Sc.D.....	<i>Professor</i>
FREDERICK PETERSON, M.D.....	<i>Professor of Psychiatry</i>
PEARCE BAILEY, M.D.....	<i>Adjunct Professor</i>
R. H. CUNNINGHAM, M.D.....	<i>Chief of Clinic and Instructor</i>
E. L. HUNT, M.D.	<i>Instructor</i>

Clinical Assistants in Neurology

G. W. TODD, M.D.	H. R. HUMPHRIES, M. D.
C. E. ATWOOD, M.D.	THOS. P. PROUT, M.D.
S. P. GOODHARDT, M.D.	E. J. MCENTEE, M.D.
SMITH ELY JELLIFFE, M.D.	J. E. CLARK, M.D.
L. PIERCE CLARK, M.D.	J. L. MACUMBER, M.D.
WILLIAM V. P. GARRETSON, M.D.	EDWARD W. SCRIPTURE, M.D.
JULES V. HABERMAN, M.D.	CHRISTOPHER C. BELING, M.D.

Courses

See preliminary paragraphs, page 55

51—Didactic lectures with lantern demonstration on nervous diseases. 1 hour. Professor STARR

53-54—Clinical lectures. 1 hour. Professor STARR

55-56—Section teaching—Practical neurology. 10-12 lessons. Drs. CUNNINGHAM and HUNT.

58—Clinics on insanity. 8 hours in January and February. Prof. PETERSON

60—Special lectures on forensic psychiatry. Professor BAILEY

Obstetrics

EDWIN B. CRAGIN, M.D.....	<i>Professor</i>
HARRY McM. PAINTER, M.D.....	<i>Professor of Clinical Obstetrics</i>
JAMES D. VOORHEES, M.D.....	<i>Adjunct Professor</i>
FELLOWES DAVIS, Jr., M.D.....	<i>Associate in Clinical Obstetrics</i>
GEORGE H. MCFARLAND, Jr., M.D.....	<i>Instructor</i>

Courses

See preliminary paragraphs, page 55

51—Theory and practice of obstetrics—Lectures. 3 hours, two didactic and one clinical. Professor CRAGIN

53-54—Recitations and demonstrations. 1 hour for each student, in small sections of the class. Dr. VOORHEES

55-56—Practical instruction at the Sloane Maternity Hospital. The class is divided into sections of six, each section remaining on duty at the Hospital for three weeks. Dr. MCFARLAND

57-58—Out-patient Service at the New York Infant Asylum. Professor PAINTER and Dr. DAVIS

The Sloane Maternity Hospital

The Sloane Maternity Hospital is situated upon the grounds of the College of Physicians and Surgeons, and the service is under the exclusive direction of the Professor of Obstetrics in the College, one of the Instructors in Obstetrics being the resident physician.

The wards of the Hospital furnish one hundred and twenty-seven beds, and there are ample accommodations for the house staff, students, and nurses. The operating-room is equipped with all modern surgical and obstetrical conveniences, and weekly clinics for the entire third-year class are given here during the first half-year. The number of deliveries averages over fifteen hundred a year. These, with the obstetric operations and the subsequent treatment of women and infants, afford invaluable practical experience.

Oriental Languages

CHINESE

FRIEDRICH HIRTH, Ph.D.....*Dean Lung Professor*

Courses 105-106 and 107-108 are designed for students not wishing to become specialists.

See preliminary paragraphs, page 55

101-102—Elementary course in the Chinese written language. 3 hours. Professor HIRTH

201-202—Analysis and translation of easy commercial documents. 2 hours. Professor HIRTH

203-204—Analysis and translation of selected easy literary texts. 2 hours. Professor HIRTH

205-206—Helps and keys in Chinese literature. 1 hour. Professor HIRTH

103-104—The Mandarin dialect. 2 hours. Professor HIRTH

105-106—History of the Chinese Empire. 1 hour. Professor HIRTH

107-108—Language, literature, government, art, and social life of the Chinese. 2 hours. Professor HIRTH

Seminars

The Seminars are for research work and special study in three directions: (a) modern government matters; (b) historical literature; and (c) literature on art, industry, and culture. Any two will be offered in each academic year, according to the needs of students.

301-302—Seminar for the study of Chinese government matters. 2 hours. Professor HIRTH

303-304—Seminar for historical studies in Chinese literature. For Chinese, Korean, and Japanese students especially: China's relations with the Roman Empire, Central and Western Asia. 2 hours. Professor HIRTH

305-306—Seminar for the study of Chinese art, industry, and general culture. 1 hour. Professor HIRTH

Pending the completion of the collection of Chinese books now in the course of formation in connection with the Columbia Library, Professor HIRTH's Courses and Seminars will be held in his private library, near Columbia University, 501 W. 113th Street.

INDO-IRANIAN LANGUAGES

A. V. WILLIAMS JACKSON, Ph.D., L.H.D., LL.D.....*Professor*
ABRAHAM YOHANNAN, Ph.D.....*Lecturer*

Courses

See preliminary paragraphs, page 55

101-102—Sanskrit, elementary course. 3 hours. Professor JACKSON

103-104—Avestan, elementary course—Grammar and reading of texts. 2 hours. Professor JACKSON

105-106—Sanskrit, advanced course. The *Nagananda* of Harsha; selections from Manu, with the native commentary. Introduction to the Veda. 2 hours. Professor JACKSON

107-108—Modern Persian, introductory course. Grammar and reading. Sa'di's *Gulistan*. 2 hours. Dr. YOHANNAN

109—History of India and of Persia. 2 hours. Professor JACKSON
Identical with History 103

[201-202—Avestan, advanced course—Interpretation of texts, antiquities, and literature. 2 hours. Professor JACKSON]

203-204—Pali, elementary course. 1 hour. Professor JACKSON

[205—Old Persian cuneiform inscriptions. 1 hour. Professor JACKSON]

[206—Pahlavi, introductory course. 1 hour. Professor JACKSON]

207-208—Sanskrit literature. 1 hour. Professor JACKSON

209—Zoroastrian Gathas—Reading of texts with the Pahlavi and the Sanskrit version. 1 hour. Professor JACKSON

[210—Zoroaster and Buddha and their teachings. 1 hour. Professor JACKSON]

211-212—Modern Persian, second-year course. Selections from Firdausi, Omar Khayyam, and Hafiz. 2 hours. Dr. YOHANNAN]

Course in Armenian

213-214—Principles of the grammar, with selected readings. 2 hours. Dr. YOHANNAN

Seminar

301-302—Indo-Iranian Seminar. 1 hour. Professor JACKSON

Public Lectures

A course of afternoon lectures on the literature, antiquities, and history of ancient India and Persia, open to all students of the University and to auditors, is given during the winter months. Public announcement of the subjects will be made at the time when these lectures are to be delivered.

Courses in the Science of Language

111-112—Introduction to the study of language. 2 hours. Professor JACKSON in co-operation with the various professors giving linguistic courses.

113-114—Types of language. First half-year: Indo-European and Semitic Languages. Second half-year: American and the Central and Eastern Asiatic Languages. 2 hours. The professors of the departments concerned.

SEMITIC LANGUAGES

RICHARD J. H. GOTTHEIL, Ph.D.....*Professor*
 JOHN DYNELEY PRINCE, Ph.D.....*Professor*
 ROBERT J. LAU, Ph.D.....*Lecturer*
 HAROLD S. DAVIDSON, Ph.D.....*Gustav Gottheil Lecturer*

See preliminary paragraphs, page 55

Hebrew

101-102—Biblical Hebrew, elementary course—Davidson's *Introductory Hebrew Grammar*. 2 hours. Dr. DAVIDSON

103—Biblical Hebrew, second course. Selections from historical writings. Dr. LAU

104—Biblical Hebrew, second course. Deuteronomy and Hebrew prose composition. 2 hours, second half-year. Professor GOTTHEIL
Students registering for this course must take both 103 and 104.

105—The Book of Ecclesiastes. 2 hours, first term. Professor PRINCE

106—Biblical Hebrew, third (lecture) course. Semitic archæology and its bearings upon the study of the Bible. 2 hours, second term. Professor GOTTHEIL

106a—The history of the literature of the Old Testament. Lectures on the origin and development of Hebrew literature. 1 hour. Professor PRINCE

Other courses in Hebrew are given at the Union Theological Seminary.

Courses in Rabbinical Hebrew

107-108—Selected readings from the Mishnah. 2 hours. Professor GOTTHEIL

109-110—Selected readings from the Talmud, Treatise Berachoth. 2 hours. Professor GOTTHEIL

201—Hebrew historical works. 2 hours, first half-year. Professor GOTTHEIL

Epigraphy

These courses are intended to cover the whole field of Semitic Epigraphy during a period of three years. For Course 203-204 a previous knowledge of Hebrew is required; for Course 205-206, of Aramæan; and for Course 207-208, of Arabic.

203-204—Interpretation of the Phœnician inscriptions, with an introduction to Semitic palæography and the history of the alphabet. *Corpus Inscriptionum Semiticarum*, vol. i. 2 hours, first term. Professor GOTTHEIL

205-206—Interpretation of the Aramæic inscriptions of Sinjirli and of the *Corpus Inscriptionum Semiticarum*, vol. ii. 2 hours, second term. Professor GOTTHEIL

[207-208—Interpretation of the Sabæan and Himyaritic inscriptions contained in the *Corpus Inscriptionum Semiticarum*, vol. iv. 1 hour. Professor GOTTHEIL]

ASSYRIAN

111-112—Assyrian elementary course—Study of the syllabary, with readings from Assyrian narrative texts. 2 hours. Professor PRINCE

209-210—Advanced course—Study of the texts in II. and IV. Rawlinson. Sumerian studies. 2 hours. Professor PRINCE

211-212—Advanced course—Sumerian lexicography. 2 hours. Professor PRINCE

ARABIC

113—Arabic elementary course—Grammar and translation. 2 hours, first half-year. Dr. DAVIDSON

114—Second course—Study of Brünnow's *Chrestomathie aus arabischen Prosaschriftstellern*. 2 hours, second half-year. Dr. DAVIDSON

215-216—Advanced course—Selections from the *Sahih of al-Bukhari*. 2 hours. Professor GOTTHEIL and Dr. LAU

217-218—Modern Arabic, dialect of Egypt. 2 hours. Professors GOTTHEIL and PRINCE

SYRIAC

115-116—Syriac; first course. Brockelmann's *Syrische Grammatik* and the *Acta Martyrum*. 2 hours. Dr. DAVIDSON

117-118—Second course. Historical Texts; Modern Syriac. Professor GOTTHEIL and Dr. YOHANNAN

ETHIOPIC

219-220—Ethiopic—Principles of the grammar and reading of the extracts in Prætorius, *Ätiopische Grammatik*. 1 hour. Professor GOTTHEIL

Oriental History

119—The ancient history of Western Asia until Alexander the Great. 2 hours. Professor PRINCE. Identical with History 101-102

[120—The rise of Arabian civilization and the spread of Mohammedanism. 2 hours. Professor GOTTHEIL. Identical with History 104]

Seminar

309-310—Semitic Seminar—Current questions in Semitic philology and history with especial reference to modern methods of research. 2 hours. Professors GOTTHEIL and PRINCE

Egyptian

[221—Egyptian—Elementary course in Coptic. 1 hour. Professor PRINCE]

[222—Egyptian hieroglyphs and advanced Coptic. 1 hour. Professor PRINCE]

Turkish

123-124—Turkish—Principles of the grammar, conversation, and reading of newspapers. 2 hours. Dr. YOHANNAN

Courses in Hebrew at the Union Theological Seminary

A detailed announcement of these courses is given in the *Announcement of the Division of Oriental Languages*. Such courses may be counted as part of the work required for the degrees of Master of Arts and Doctor of Philosophy.

Equipment

The Columbia University Library contains most of the important periodicals which deal with Oriental research, and has a rich collection of the publications of the learned societies of Europe—*e. g.*, of the Academies of Berlin, Vienna, Leipsic, St. Petersburg, Brussels, Paris, and Rome (Lincei).

The books relating to East Indian and Iranian subjects in the University Library comprise already a good collection of the most important text-editions and works of reference, and additions are constantly being made. Most of the best works dealing with Semitic philology will be found in the Library; care has been taken, especially in Assyriology, to buy all the more important publications. In the Avery Architectural Library most of the monumental works relating to Eastern art and archæology will be found. Through the generosity of the trustees of Temple Emanuel, the Library now possesses the most complete collection of works in Rabbinical Hebrew to be found in this country. There is also a small collection of Hebrew, Arabic, and Persian MSS., designed for the use of advanced students. The resources of the University Library are supplemented in the most valuable way by the collections of all branches of Orientalia in the New York Public Library. A collection of old Babylonian tablets has been added to the department. These, together with the casts of tablets in the Metropolitan Museum of Art, furnish material for those who wish to devote themselves especially to the study of Babylonian and Assyrian.

The library of the Union Theological Seminary, which is accessible to advanced students of Columbia University, contains all the current theological periodicals.

Pathology

T. MITCHELL PRUDDEN, M.D., LL.D.....*Professor of Pathology*
EUGENE HODENPYL, M.D.....*Adjunct Professor of Pathology*

JOHN H. LARKIN, M.D.	<i>Adjunct Professor of Pathology and Curator of the Museum</i>
EDWARD LEAMING, M.D.	<i>Instructor in Photography</i>
NORMAN E. DITMAN, M.D.	<i>Instructor in Pathology</i>
KARL M. VOGEL, M.D.	<i>Instructor in Pathology</i>
EUGENE L. OPIE, M.D.	<i>Demonstrator of Pathology</i>
FREDERICK B. HUMPHREYS, M.D.	<i>Demonstrator of Pathology</i>
ALWIN L. PAPPENHEIMER, M.D.	<i>Demonstrator of Pathology</i>

Close association is maintained between this department and the departments of Clinical Pathology and Bacteriology, so as to facilitate instruction and research in these closely allied subjects.

Courses

See also preliminary paragraphs, page 55

51-52—Autopsy technique and pathological anatomy at the Roosevelt, Presbyterian, St. Luke's, St. Francis', Harlem, German, or Bellevue Hospitals, twice a week for half the year. Professors HODENPYL, WOOD, and LARKIN, and Drs. OPIE, DITMAN, and HUMPHREYS

54—Practical instruction in general and special pathology, and in the bacteriology of the infectious diseases. 10 hours for one half of the academic year. Professors PRUDDEN, HODENPYL, LARKIN, and BAILEY, and Drs. DITMAN, VOGEL, and HUMPHREYS

55-56—Demonstrations in pathological anatomy. 2 hours. Professors HODENPYL and LARKIN, and Drs. DITMAN and VOGEL

204—Pathological anatomy and histology, and experimental pathology. Professors PRUDDEN and HODENPYL

This course cannot be counted for a degree, and is open only to qualified graduate students by special arrangement with the head of the department.

Photography and Photomicrography

1-2—Practical instruction is given to a limited number of men in the photographic laboratories of the college in the technique of photography and photomicrography. Dr. LEAMING

Research

Research in pathology may be pursued in the laboratories of this department by a limited number of graduate students or practitioners of medicine or other advanced workers. Professor PRUDDEN

Museum

The Museum of Pathology is made use of in the work of this depart-

ment, both for the instruction of medical students and as a place of deposit for specimens showing new and rare forms of lesions.

Equipment

The Department of Pathology shares with the departments of Clinical Pathology and Bacteriology the two upper floors of the north wing of the college building. The large classroom on the upper floor of the east wing is used for the classes in pathology, histology, and embryology. The fourth floor is devoted to the pathological museum and to a large preparation laboratory, a workshop, cold storage and the like. The remaining space is devoted to a general laboratory and to private rooms for instructors and advanced workers in pathology, to undergraduate and to research work in pathology, clinical pathology, and bacteriology, and to a departmental library.

The entire space is amply lighted, fully furnished, and equipped with such new apparatus as these rapidly growing phases of science require.

Pediatrics

(See Diseases of Children, page 84)

Pharmacology, Materia Medica, and Therapeutics

CHRISTIAN A. HERTER, M.D.	<i>Professor of Pharmacology and Therapeutics</i>
SAMUEL W. LAMBERT, A.M., M.D.	<i>Professor of Applied Therapeutics</i>
SIMON BARUCH, M.D.	<i>Professor of Hydrotherapy</i>
WILLIAM R. WILLIAMS, A.M., M.D.	<i>Adjunct Professor of Pharmacology and Therapeutics</i>
WALTER A. BASTEDO, M.D.	<i>Associate in Pharmacology and Therapeutics</i>
HENRY S. PATTERSON, M.D.	<i>Chief of Clinic and Associate in Applied Therapeutics</i>
ARTHUR M. SHRADY, A.M., M.D.	<i>Chief of Clinic and Instructor in Hydrotherapy</i>
JAMES M. KENT, M.D.	<i>Assistant in Applied Therapeutics</i>
WILLIAM R. MAY, M.D.	<i>Assistant in Applied Therapeutics</i>
NELLIS B. FOSTER, M.D.	<i>Assistant in Applied Therapeutics</i>

Clinical Assistants in Applied Therapeutics

F. G. GOODRIDGE, M.D.	MORRIS FINK, M.D.
SIGMUND EPSTEIN, M.D.	ALEXANDER GOLDMAN, M.D.
MAX SCHULMAN, M.D.	DAVENPORT WHITE, M.D.
MAX NISSELSO, M.D.	ARTHUR LEFFERTS HUTTON, M.D.
DAVID J. KALISKI, M.D.	HENRY E. HALE, M.D.
PETER IRVING, M.D.	JULES V. HABERMAN, M.D.
HENRY M. MORETSKY, M.D.	WM. B. BOYD, M.D.

Clinical Assistants in Hydrotherapy

ALBERT J. WITTON, M.D. CHARLES D. CLEGHORN, M.D.

Courses*See preliminary paragraphs, page 55*

51—Conferences on applied therapeutics—1 hour a week, first half-year. Professor LAMBERT

53-54—Clinical instruction in therapeutics—4 hour exercises at the Vanderbilt Clinic, five times a week for eight weeks, to sections of the class. Professor LAMBERT and Dr. PATTERSON

55-56—Recitations on general therapeutics—2 hours a week throughout the year, to sections of the class. Professor WILLIAMS

57—Lectures on the principles of pharmacology, toxicology, and therapeutics—1 hour a week, first half-year. Professor WILLIAMS

58—Lectures on hydrotherapy—1 hour a week, second half-year. Professor BARUCH

59-60—Lectures on pharmacology and materia medica—2 a week for one half-year; 1 a week for one half-year. Dr. BASTEDO

61—Practical instruction in the pharmaceutical laboratory—2½ hours a week, first half-year. Dr. BASTEDO

62—Laboratory course in pharmacology—2 hours a week during the second half-year. Professor WILLIAMS

63-64—Recitations in materia medica and pharmacology—2 hours a week, first half-year; 1 hour a week, second half-year. Dr. BASTEDO

66—Prescription writing—1 half-hour a week during the second half-year. Dr. BASTEDO

67-68—Prescription work in the pharmaceutical laboratory, for advanced students. Dr. BASTEDO

69-70—Lectures on pharmacology and therapeutics—1 hour. Dr. PATTERSON

71-72—Practical instruction in hydrotherapy—2 hour exercises twice a week for four weeks, at the Vanderbilt Clinic, to sections of the class. Professor BARUCH and Dr. SHRADY

73—Lectures—Lectures on selected subjects in therapeutics. Professor HERTER

71-72—Clinical instruction in hydrotherapy. In sections of the class. 4 hours a week for one month for each section. Professor BARUCH and Dr. SHRADY

Research

The research laboratory of pharmacology is open to a limited number of workers.

In the Vanderbilt Clinic the department of hydrotherapy is equipped with all appliances for the practical application of water in disease, which each student is called upon to make or apply.

Pharmacy

The New York College of Pharmacy is the Division of Pharmacy of Columbia University. In the section of the catalogue devoted to the College of Pharmacy will be found a list of its officers and information as to the equipment and method of instruction. The Program of Studies includes the following courses:

Junior Year

Physics—Lectures, recitations, and laboratory, Professor COBLENTZ.

General and Pharmaceutical Chemistry—Lectures, Professor COBLENTZ; recitations, Professor OEHLER

Analytical Chemistry—Laboratory work, Professor VORISEK; recitations, Dr. LESLIE

Mathematics of Pharmacy—Practical exercises, Professor VORISEK

Theory of Pharmacy—Lectures, Professor DIEKMAN; recitations, Dr. WIMMER

Practical Pharmacy—Laboratory course, Professor DIEKMAN and Dr. WIMMER

Dispensing Pharmacy—Laboratory course, Professor DIEKMAN and Dr. WIMMER

Botany—Lectures, Professor RUSBY; recitations, Dr. BALLARD

Pharmacognosy—General laboratory course, Professor RUSBY; histological laboratory course, Professor MANSFIELD and Dr. BALLARD

Physiology—Lectures, Professor RUSBY; recitations, Professor RUSBY and Dr. BALLARD

Toxicology and Posology—Recitations, Dr. BALLARD

Biology—Professor MANSFIELD

Senior Year

Organic Chemistry—Lectures, Professor CHANDLER; recitations, Professor OEHLER

Pharmaceutical Chemistry (inorganic and organic)—Lectures, Professor COBLENTZ; recitations, Professor OEHLER

Analytical Chemistry—Laboratory work, Professor VORISEK and Dr. LESLIE

Practical Pharmacy—Lectures and recitations, Professor DIEKMAN; laboratory course, Professor DIEKMAN and Dr. WIMMER

Dispensing Pharmacy—Laboratory course, Professor DIEKMAN and Dr. WIMMER

Materia Medica—Lectures, Professor RUSBY; recitations, Professor RUSBY and Dr. BALLARD

Toxicology—Lectures, Professor RUSBY; recitations, Professor RUSBY and Dr. BALLARD

Commercial Pharmacognosy—Laboratory, Professor MANSFIELD and Dr. BALLARD

Microscopical Pharmacognosy—Laboratory course, Professor MANSFIELD and Dr. BALLARD

Biology—Professor RUSBY

Graduate Courses

Plant Analysis—Laboratory, Professor RUSBY

Technical Microscopy—Laboratory, Professor MANSFIELD

Bacteriology—Laboratory course, Professor KNAPP

Quantitative Analysis—Laboratory, Professor VORISEK

Organic Analysis—Laboratory, Professor COBLENTZ

Theory and Practice of Inorganic Quantitative Analysis—Lectures, Professor VORISEK

Commercial Organic Analysis and Toxicology—Lectures, Professor COBLENTZ

Pharmaceutical Assaying and Higher Pharmacy—Lectures and laboratory work, Professor DIEKMAN

Physiological Chemistry—Lectures, Professor GIES

Food and Drug Course

Commercial Organic Analysis and Toxicology—Lectures and laboratory course, Professor COBLENTZ

Inorganic Quantitative Analysis—Lectures and laboratory course, Professor VORISEK

Pharmaceutical Assaying—Lectures and laboratory course, Professor DIEKMAN

Technical Microscopy—Laboratory course, Professor MANSFIELD

Food and Drug Inspection—Lectures, Professor DUFF

Philosophy and Psychology

JAMES MCKEEN CATTELL, Ph.D., LL.D.....*Professor*

MOSES ALLEN STARR, M.D., LL.D., Sc.D.....*Professor*

HERBERT GARDINER LORD, A.M.....	Professor
EDWARD LEE THORNDIKE, Ph.D.....	Professor
FREDERICK J. E. WOODBRIDGE, A.M., LL.D....	Johnsonian Professor
FELIX ADLER, Ph.D.....	Professor
CHARLES AUGUSTUS STRONG, A.B.....	Professor
JOHN ANGUS MACVANNEL, Ph.D.....	Professor
GEORGE STUART FULLERTON, Ph.D., LL.D.....	Professor
JOHN DEWEY, Ph.D., LL.D.....	Professor
ROBERT SESSIONS WOODWORTH, Ph.D.....	Adjunct Professor
WILLIAM PEPPERRELL MONTAGUE, Ph.D.....	Adjunct Professor
DICKINSON SERGEANT MILLER, Ph.D.....	Professor
NAOMI NORSWORTHY, Ph.D.....	Instructor
WALTER VANDYKE BINGHAM, Ph.D.....	Instructor
HAROLD CHAPMAN BROWN, Ph.D.....	Tutor
WILLIAM F. COOLEY, A.M.....	Tutor
MARY THEODORA WHITLEY, B.S.....	Tutor
WENDELL T. BUSH, Ph.D.....	Lecturer
H. H. WOODROW, A.B.....	Lecturer
HARRY LEVI HOLLINGSWORTH, A.B.....	Assistant
JOHN MCCHESENEY, A.B.....	Assistant
J. V. BREITWIESER, A.B.....	Assistant
A. FLEXNER.....	Assistant
WALTER BOWERS PILLSBURY, Ph.D.....	Non-resident Lecturer in Psychology

NICHOLAS MURRAY BUTLER, Ph.D., LL.D. (Cantab), Litt. D. (Oxon.)
President and Professor

See preliminary paragraphs, page 55

Courses in Philosophy

A1-A2—At Columbia College: The principles of science. 3 hours. Professors WOODBRIDGE, DEWEY and MILLER, Dr. BROWN, and Mr. COOLEY. At Barnard College: Introductory psychology. 3 hours, first half-year. Introductory logic. 3 hours, second half-year. Professor MONTAGUE and Dr. BROWN

21-22—Ethics. At Columbia College, 3 hours. At Barnard College, 3 hours. Professor LORD

42—Esthetics. Dr. BROWN

121-122—Psychological ethics. 2 hours. Professor DEWEY.

127—Modern ethical ideals. 2 hours. Professor MILLER

141-142—Principles and problems of esthetics. 2 hours. Dr. BUSH

161-162—The history of philosophy. At Columbia College, 3 hours. Professors FULLERTON and MONTAGUE. At Barnard College, 3 hours. Professor MONTAGUE

169-170—The philosophy of Plato and Aristotle. Professor WOODBRIDGE and Dr. BUSH

181-182—Practicum. Philosophy of education. 2 hours. Professor MACVANNEL

202—Logic. 2 hours. Professor FULLERTON

205—Logical analysis. 2 hours. Professor WOODBRIDGE

206—Metaphysical analysis. 2 hours. Professor FULLERTON

209-210—Types of epistemological theory. 2 hours. Dr. BUSH

211-212—Research work in philosophy. Professor DEWEY

213-214—Research work in philosophy. Professor WOODBRIDGE

219—Symbolic logic. 3 hours. Dr. BROWN

229-230—Ethical analysis. 2 hours. Professor DEWEY

263-264—Philosophy in Germany since Kant. 2 hours. Professor WOODBRIDGE

279-280—Contemporary philosophy. 2 hours. Professor MONTAGUE

281-282—Seminar. Professor MACVANNEL

Philosophy of Religion (at the Union Theological Seminary)

A—Philosophy of religion—the philosophical foundation. 2 hours, first half-year. Professor KNOX

B—Theism. 2 hours, second half-year. Professor KNOX

C—Survey of the ethnic faiths. 2 hours, first half-year. Professor KNOX

F—Introduction to the study of the philosophy of religion. 2 hours. Professor KNOX

Apologetics B and D may also be counted as courses in the philosophy of religion.

Philosophy of Religion (at the General Theological Seminary)

A—Psychology of religion. 2 hours, second half-year. Professor HAYES

B—Christian theism. 3 hours, first half-year. Professor HAYES

C—Studies in the philosophy of religion. 2 hours, second half-year. Professor HAYES

D—Studies in the ethnic religions. 2 hours, first half-year. Professor HAYES

Ethics (at the Union Theological Seminary)

A and B—Christian ethics. 2 hours. Professor THOMAS C. HALL

C—Special introduction to ethics. 2 hours, first half-year. Professor THOMAS C. HALL

E—History of ethical thought. 2 hours. Professor THOMAS C. HALL

G—Christian casuistry. 1 hour. Professor THOMAS C. HALL

H—Study of modern ethics. 2 hours. Professor THOMAS C. HALL

J—The field of ethical inquiry. 2 hours, first half-year. Professor THOMAS C. HALL

Ethics (at the General Theological Seminary)

A—Ethical development in the Old Testament with a comparative view of ethnic codes. 2 hours, first half-year. Mr. HUNT

B—The ethics of the New Testament. 2 hours, first half-year. Mr. HUNT

C—Christian ethics in relation to modern social problems. 3 hours, second half-year. Mr. HUNT

Courses in Psychology

1-2—Elements of general psychology. 3 hours. Professor LORD

3-4—Experimental psychology, introductory course. Lectures, 3 hours. Laboratory work, 4 hours. Professor WOODWORTH assisted by Mr. BREITWIESER

7-8—Experimental psychology, introductory course. Lectures, 2 hours. Laboratory work, 4 hours. At Barnard College. Mr. WOODROW

21-22—Child psychology. 2 hours. Dr. NORSWORTHY

111-112—Experimental psychology, advanced course. 2 hours. Professors CATTELL and PILLSBURY

113-114—Experimental psychology. Laboratory work in connection with Psychology 111-112. 2 to 8 hours. Professors CATTELL and PILLSBURY and Mr. HOLLINGSWORTH

121-122—Genetic psychology, advanced course. 2 hours. Professor THORNDIKE

133-134—Laboratory course in physiological psychology. 2 to 8 hours. Professor WOODWORTH and Mr. BROWN

135-136—Pathological psychology. 3 hours. Professor WOODWORTH

137-138—Laboratory and observational work in pathological psychology. 2 to 8 hours. Professor WOODWORTH and Mr. BREITWIESER

161—Analytic psychology. 2 hours. Professor PILLSBURY

221-222—The application of psychological and statistical methods to education. 2 hours. Professor THORNDIKE

233-234—Research in physiological and pathological psychology. Professor WOODWORTH assisted by Mr. BREITWIESER

251-252—Diseases of the mind and nervous system. 1 hour, four months. Not open to women. Professor STARR

281-282—Problems in experimental psychology. 2 hours. Professors CATTELL, PILLSBURY, and WOODWORTH

283-284—Research work in experimental psychology. Professor CATTELL assisted by Mr. HOLLINGSWORTH and Mr. BREITWIESER

301-302—Seminar in psychology. Professor CATTELL

321-322—Seminar in genetic and comparative psychology. Professor THORNDIKE

Equipment

LIBRARY FACILITIES—The library facilities of Columbia University and of the city of New York, for students of philosophy and psychology, are unusually good. The collection of books on the history of philosophy in the University Library is very large, that on Kant and his philosophy being especially complete. About 1000 periodicals are regularly received, and among them will be found every journal of importance, American or foreign, dealing with philosophy or psychology. Duplicates of the more important psychological books and journals are placed in the Psychological Laboratory, where there is also a card index of psychological literature containing over 25,000 titles. Students of psychology will also find much of value in the Library of the Academy of Medicine, 17 West 43d Street, which is open to students free of charge. The New York Public Library is also available for students, when introduced by one of the instructors, on especially favorable terms.

THE PSYCHOLOGICAL LABORATORY—The laboratory is in Schermerhorn Hall, a building "devoted to the advancement of natural science." It occupies the eastern half of the second floor and part of the floor immediately above, the rooms being as follows: A lecture-room, seating one hundred students, used also as a general laboratory; a seminar room with a department library, a workshop, a photographic and chemical room, an apparatus cabinet, an anthropometric laboratory, five rooms used as offices and laboratories by the officers of the department, and eight research laboratories. Two of these are dark-rooms, specially constructed to exclude sound as well as light, 18 feet high and well ventilated. The laboratory has light from the north and south, is supplied with electric current of both high and low potential, and is in all respects equipped both for instruction and research. The collection of apparatus includes: (1) Outfit for making and re-

pairing apparatus, electric motors, etc. A skilled instrument-maker is continually employed, adding greatly to the efficiency of the laboratory. (2) The outfit of an anthropometric laboratory with which freshmen in the college and others are annually tested. (3) The apparatus, preparations, charts, etc., needed for complete courses in experimental and physiological psychology; and (4) the apparatus that has been used or is being used in special researches, a large part of which has been made especially for the laboratory. The outfit for the courses of instruction is now in large measure secured, and the annual appropriations can be used chiefly for apparatus needed in special researches.

Photography and Photomicrography

(See page 141)

Physical Education

THOMAS DENISON WOOD, A.M., M.D.....	<i>Professor</i>
GEORGE LOUIS MEYLAN, A.M., M.D....	<i>Adjunct Professor and Medical Director of the University Gymnasium</i>
WILLIAM SKARSTROM, M.D.....	<i>Instructor</i>
A. IRA PRETTYMAN.....	<i>Assistant</i>
I. BLOOM.....	<i>Assistant</i>
A. BANGSER.....	<i>Assistant</i>
C. S. BOTSFORD.....	<i>Assistant</i>
H. COHEN.....	<i>Assistant</i>
A. W. HENDRIAN.....	<i>Assistant</i>
J. C. JENKINS.....	<i>Assistant</i>
T. KIRKPATRICK.....	<i>Assistant</i>
F. RINDGE.....	<i>Assistant</i>
GEORGE THOMAS HOLM.....	<i>Teacher of Swimming</i>
E. A. KELLAR.....	<i>Assistant Teacher of Swimming</i>
W. J. GATES.....	<i>Secretary</i>

Courses

See preliminary paragraphs, page 55

For Men

Hygiene 1-2. Lectures, quizzes, and a report on some phase of personal hygiene or sanitation. 2 hours. Professor MEYLAN

Physical education A1-A2. 2 hours a week of elementary graded gymnastic exercises, swimming, and 6 lectures on personal hygiene. In sections. 2 hours. Dr. SKARSTROM and Assistants

Physical education B1-B2. 2 hours a week of graded gymnastic exercises, athletics, and 6 lectures on personal hygiene. In sections. 2 hours. Professor MEYLAN, Mr. PRETTYMAN, and Assistants

For Women

A1-A2—Elementary graded gymnastic exercises and lectures on personal hygiene. In sections. 2 hours. Miss CALHOUN

B1-B2—Graded gymnastic exercises and lectures on personal hygiene. In sections. 2 hours. Miss CALHOUN

There are also fifteen courses given under the auspices of Teachers College: Physical Education 1-2, 3-4, 5-6, 9-10, 105, 107-108, 109-110, 114, 115-116, 119-120, 121-122, Education 87-88, 187-188, 189-190, and 289-290.

Equipment

The main exercising room is semicircular in shape, and has an area of 16,000 square feet. The ceiling is 35 feet high, and the room is well lighted and well ventilated, both naturally and artificially. The running track is 11 feet wide, with ends raised, and measures 10 laps to the mile. On the same floor as the running track are the Gymnasium and Director's offices, rooms for fencing, boxing, and handball, two large dressing-rooms with 1804 steel lockers, and 32 shower-baths. Below the exercising room is the swimming pool, semicircular in shape; it measures 100 by 50 feet on its axes, and contains 200,000 gallons of water. The depth is from 4 to 10 feet. Around the pool are the dressing-rooms, and 20 shower-, needle-, and tub-baths. On this floor is also a large room and two dressing-rooms equipped with shower-baths and lavatories, for the use of the various athletic teams.

The Frederick Ferris Thompson Memorial Building, given to Teachers College by Mrs. F. F. Thompson, has been recently completed. It is a building of four stories devoted to the purposes of physical education and school hygiene. It contains offices, examination rooms, lecture- and class-rooms, laboratories, hand-ball courts, bowling alleys, a swimming pool, four gymnasiums, rooms for corrective exercises, dressing-rooms, shower-baths, fencing-room, and a suite of rooms for photographic purposes. This building provides physical-training facilities for the women, the pupils of the Horace Mann School, and the varied equipment for the theoretical and practical instruction of professional students in Physical Education.

The Gymnasium is open daily during the academic year, except on Sundays and legal holidays, from 8.30 A.M. to 6.30 P.M., Saturdays to 5 P.M. It is closed for the entire day only on Thanksgiving, Christmas, New Year's, and Good Friday. On all other holidays it is open from 2 to 6 P.M. One or more of the instructors are on the floor at all times when the Gymnasium is open.

A course in physical education is required of all Freshmen and Sophomores in Columbia College, and first- and second-year students in the Schools of Applied Science, except students holding degrees from other

colleges. A physical examination is required of each student in these classes upon entrance and at the end of the second year, and of all other students taking part in athletics.

Every student is entitled to a physical examination by the Medical Director. On the basis of this examination advice is given as to the kind and amount of exercise best adapted to his needs.

Physics

WILLIAM HALLOCK, Ph.D.....	<i>Professor</i>
MICHAEL I. PUPIN, Ph.D., Sc.D.....	<i>Professor of Electro-Mechanics</i>
MARGARET E. MALTBY, Ph.D....	<i>Adjunct Professor (Barnard College)</i>
HERSCHEL C. PARKER, Ph.B.....	<i>Adjunct Professor</i>
ERNEST F. NICHOLS, Sc.D.....	<i>Professor of Experimental Physics</i>
¹ JOSEPH C. PFISTER, A.M.....	<i>Adjunct Professor of Mechanics</i>
FRANK L. TUFTS, Ph.D.....	<i>Adjunct Professor</i>
ALBERT P. WILLS, Ph.D.....	<i>Adjunct Professor of Mechanics</i>
RICHARD C. MACLAURIN, A.M., LL.D., Sc.D.,	<i>Professor of Mathematical</i>
	<i>Physics</i>
CHARLES C. TROWBRIDGE, M.S., Sc.D.....	<i>Instructor</i>
GEORGE B. PEGRAM, Ph.D.....	<i>Instructor</i>
² BERGEN DAVIS, Ph.D.....	<i>Instructor</i>
K. GEORGE FALK, Ph.D.....	<i>Tutor</i>
GRACE LANGFORD, S.B.....	<i>Tutor (Barnard College)</i>
CHARLES FORBES, B.S., M.D.....	<i>Curator</i>
WILLIAM S. DAY, Ph.D.....	<i>Lecturer</i>
LEIGHTON B. MORSE, Ph.D.....	<i>Lecturer</i>
JULIAN BLANCHARD, A.B.....	<i>Assistant</i>
HERMON W. FARWELL, A.M.....	<i>Assistant (Barnard College)</i>
WILLARD L. SEVERINGHAUS, A.M.....	<i>Assistant</i>
REINHARD WETZEL, B.S.....	<i>Assistant</i>
L. E. PENDER, A.M.....	<i>Assistant</i>
WILLIAM S. NELMS, A.M.....	<i>Assistant</i>
HERBERT A. CLARK, B.S., A.M.....	<i>Assistant</i>

Courses equivalent to 3-4, 101-102, and 103 are given at Barnard College by Professor MALTBY.

Courses

See preliminary paragraphs, page 55

A² (Part of Science A)—General elementary physics. C 3 hours and L 4 hours. Professor HALLOCK, INSTRUCTORS, and ASSISTANTS

3-4—Elementary mechanics and general physics. C 5 hours, first half-year, C 4 hours, second half-year. Professor HALLOCK and ASSISTANTS

¹ Absent on leave.

² Ernest Kempton Adams Fellow for 1908-09.

9-10—Elementary course in general physics. *C* 3 hours

41-42—Elementary laboratory course. *L* 3 hours. May be begun either half-year. Professor TUFTS, INSTRUCTORS, and ASSISTANTS

Prerequisite Physics 9

43-44—Intermediate laboratory course. *L* 6 hours. Given each half-year. Professor TUFTS, INSTRUCTORS and ASSISTANTS

Prerequisite Physics, 3-4 or equivalent.

61-62—Intermediate laboratory course. *L* 4-10 hours. Professor TUFTS, INSTRUCTORS and ASSISTANTS

Prerequisite Physics 41-42

101—Electricity and magnetism. 3 hours. Professor TUFTS

102—Sound and theory of oscillations. 3 hours. Dr. DAVIS

103—Light. 3 hours. Professor HALLOCK

105—Electrical measurements. 2 hours. Professor PARKER

151-152—Advanced laboratory course. *C* 1 hour, *L* 4-16 hours. Dr. TROWBRIDGE

201—Discharge of electricity through gases. 2 hours. Dr. DAVIS

202—Theory of dimensions. 2 hours. Professor TUFTS

205—Heat. 3 hours. Dr. DAY

206—Phenomena of radio-activity. 2 hours. Dr. PEGRAM

207-208—Elements of theoretical physics. 1 hour. Professor TUFTS

210—The design and construction of apparatus. 1 hour. Professor HALLOCK

211-212—Radiation. 2 hours. Professor NICHOLS

Given in 1908-09 and in alternate years.

271-272—Original research under the direction of professors is open to properly qualified persons.

Courses in Mathematical Physics

1-2—Elementary mechanics. 2 hours. Dr. DAVIS

3-4—Elementary thermodynamics and hydrokinetics. 2 hours. Dr. PEGRAM

5-6—Analytical mechanics. 2 hours. Dr. PEGRAM

7—Thermodynamics. 2 hours. Dr. PEGRAM

102—Analytical mechanics. 5 hours. Professor MACLAURIN and Dr. PEGRAM

103-104—Theoretical mechanics. 2 hours. Dr. PEGRAM

106—Thermodynamics. 2 hours. Professor WILLS

107-108—Theory of electricity and magnetism. 2 hours first half-year, 3 hours second half-year. Professor WILLS

109—Theory of alternators, transformers, and motors. 3 hours. Professor PUPIN

110—Theory of variable currents. 2 hours. Professor PUPIN

201—Mechanics. 2 hours. Professor WILLS

202—Theory of elasticity. 2 hours. Professor WILLS

203—Theory of the potential function. 2 hours. Professor PUPIN

204—Hydrokinetics. 2 hours. Professor WILLS

205—Electricity and magnetism. 2 hours. Professor PUPIN

206—Theory of electrical circuits. 2 hours. Professor PUPIN

208—Theory of sound. 2 hours. Dr. PEGRAM

209-210—Theory of light. 2 hours. Professor MACLAURIN

211-212—Partial differential equations of physics. 2 hours. Professor MACLAURIN

213-214—Thermodynamics and kinetic theory of gases. 2 hours. Professor WILLS

Journal Club—The Journal Club of the department meets every week for the discussion of the current literature of physics, and for reports of special investigations.

Equipment

The laboratories and lecture-rooms of the Department of Physics occupy four floors of Fayerweather Hall on the eastern side of the University grounds. The building is supplied with all ordinary conveniences, including compressed air, steam, electricity or power and light, direct and alternating current. There is a vertical shaft 95 feet high, with gas, electric, and water outlets every ten feet. In the sub-basement a constant-temperature room is placed twelve feet below the surface of the ground. There are two lecture-rooms, a library, an apparatus room, a shop, and a small laboratory on the first floor, while the remaining three floors devoted to the department are occupied by laboratories of different kinds.

The general laboratories are provided with all the usual apparatus for undergraduate work in mechanics, sound, heat, light, electricity, and magnetism.

The laboratories used for research have been named by the Trustees the "Phoenix Physical Laboratories," in memory of Mr. Stephen Whitney Phoenix, who bequeathed to the University a generous sum as an endowment for research in the physical sciences. On account of this endowment unusual facilities are offered for advanced work and research in physics.

Arrangements have been made by which it is possible to carry on certain investigations at the Botanical Garden, in Bronx Park, free from the magnetic and other disturbances of the city.

The department has a shop equipped with wood-, metal-, and glass-working machinery, and employs a skilled mechanician.

The Physical Laboratories at Barnard College occupy the second floor of Fiske Hall. They are supplied with the usual conveniences and well equipped with suitable apparatus for quantitative experimental work in all the courses offered. Through the generosity of Mrs. Collord, the department has recently acquired a very complete equipment in sound-apparatus suitable for illustrating the theory of the production of tone in musical instruments, and for analyzing musical sounds.

The laboratories and lecture-room of Teachers College are well equipped for illustrating the teaching of physics in secondary and normal schools. In these the physics classes of the Horace Mann School receive their instruction, and by observation and practical work in connection with the classes the students in Education 191-192 are enabled to become familiar with the duties of a teacher of physics.

Physiology

JOHN GREEN CURTIS, M.D., LL.D.....	<i>Professor</i>
FREDERIC SCHILLER LEE, Ph.D.....	<i>Professor</i>
RUSSELL BURTON-OPITZ, S.M., Ph.D., M.D.....	<i>Adjunct Professor</i>
HAVEN EMERSON, A.M., M.D.....	<i>Demonstrator</i>
LEANDER HOWARD SHEARER, M.D.....	<i>Demonstrator</i>
ARTHUR WALKER BINGHAM, M.D.....	<i>Demonstrator</i>
HARRY MAYHAM KEATOR, M.D.....	<i>Demonstrator</i>

None of the courses in this department is open to women.

Courses

See preliminary paragraphs, page 55

1-2—Elementary physiology. Given with the co-operation of the Department of Physiological Chemistry. 1 hour lecture, and 2 hours laboratory work. Professors BURTON-OPITZ and GIES

103-104—General physiology. 1 hour. Professor LEE

105-106—Laboratory course in general physiology. 5 hours. Professor BURTON-OPITZ

107—Laboratory course in special physiology. 3 hours. Professor BURTON-OPITZ

108-109—The physiology of man as related to that of other mammals and of lower vertebrates. Lectures and demonstrations, 4 hours.

Recitations, 1 hour. Laboratory work, 3 hours. Professors CURTIS and BURTON-OPITZ, Drs. EMERSON, SHEARER, BINGHAM, and KEATOR

Research

The laboratory is open for research, under the direction of its officers, to advanced workers.

Equipment

The Department of Physiology possesses:

I—At the College of Physicians and Surgeons: (1) A laboratory for research and the preparing of demonstrations. (2) A small laboratory for histological research with special reference to physiological problems. (3) Two rooms for optical or psychological work or for photography. (4) Two private laboratories for professors of the department. (5) Two laboratories for practical instruction. (6) A room for recitations and for lectures and demonstrations to limited classes. (7) Easy access to a large lecture-room specially fitted for experimental teaching. (8) The Swift Physiological Cabinet, for the accommodation of a specially endowed and very full collection of apparatus of precision, mainly for research.

II—In Schermerhorn Hall: The use of a laboratory equipped for the instruction of undergraduates.

The physiological journals are accessible to the students of the department; also the most important monographs and other books, both modern and ancient.

Political Economy and Finance

(See page 85)

Political Philosophy

(See page 110)

Politics

(See page 120)

Practice of Medicine

WALTER B. JAMES, M.D., LL.D. *Bard Professor of the Practice of Medicine*

FRANK W. JACKSON, M.D. *Professor of Clinical Medicine*

GEORGE ROE LOCKWOOD, M.D. *Adjunct Professor of Clinical Medicine*

WILLIAM K. DRAPER, M.D. *Adjunct Professor of Clinical Medicine*

VAN HORNE NORRIE, M.D. *Adjunct Professor of Clinical Medicine*

FRANCIS P. KINNICUTT, M.D. *Professor of Clinical Medicine*

JOHN SEYMOUR THACHER, M.D. *Professor of Clinical Medicine*

FRANCIS HUBER, M.D.....	<i>Professor of Clinical Medicine</i>
GEORGE MONTAGUE SWIFT, M.D.....	<i>Instructor in Clinical Medicine</i>
ALBERT E. SUMNER, M.D.....	<i>Instructor in Medicine</i>
T. STUART HART, M.D.....	<i>Instructor in Medicine</i>
JAMES A. MILLER, M.D.....	<i>Instructor in Clinical Medicine</i>
NATHANIEL B. POTTER, M.D.....	<i>Instructor in Clinical Medicine</i>
FRED P. SOLLEY, M.D.....	<i>Instructor in Medicine</i>
LEWIS F. FRISSELL, M.D.....	<i>Instructor in Medicine</i>
LINSLEY R. WILLIAMS, M.D.....	<i>Chief of Clinic and Associate in Medicine</i>
THEODORE C. JANEWAY, M.D.....	<i>Associate in Clinical Medicine</i>
DAVID BOVAIRD, JR., M.D.....	<i>Associate in Medicine</i>
EVAN M. EVANS, M.D.....	<i>Associate in Medicine</i>
EDMUND L. DOW, M.D.....	<i>Associate in Medicine</i>
D. STUART D. JESSUP, M.D.....	<i>Assistant in Medicine</i>
CURTENIUS GILLETTE, M.D.....	<i>Assistant in Clinical Medicine</i>
ISAAC OGDEN WOODRUFF, M.D.....	<i>Assistant in Clinical Medicine</i>
CHARLES S. FISCHER, M.D.....	<i>Assistant in Medicine</i>
HAVEN EMERSON, M.D.....	<i>Assistant in Clinical Medicine</i>
LEANDER H. SHEARER, M.D.....	<i>Assistant in Medicine</i>
CLAUDE A. FRINK, M.D.....	<i>Assistant in Medicine</i>
HOWARD H. MASON, M.D.....	<i>Assistant in Medicine</i>
WILLIAM W. HERRICK.....	<i>Assistant in Medicine</i>
F. J. BARRETT.....	<i>Assistant in Medicine</i>

Clinical Assistants

JAY WILLIAM DOUNCE, M.D.	EDWARD COOK, M.D.
GEORGE E. BARNES, M.D.	MAX BERNSTEIN
HERMAN EICHHORN, M.D.	ALFRED C. HENDERSON
JULIUS W. WEINSTEIN, M.D.	D. CLIFFORD MARTIN

Courses

See preliminary paragraphs, page 55

51-52—Clinical lecture on general medicine—At the Vanderbilt Clinic, 1 hour. Professor JAMES

54—Theoretical lecture—1 a week for second half-year. Professor JAMES

55-56—Clinical lecture on general medicine—At the Roosevelt Hospital, 1 hour. Professors JAMES, JACKSON, and THACHER

57-58—Bedside instruction—In the wards of Roosevelt Hospital, to sections of the class. 6 hours a week for four weeks. Professors JAMES, JACKSON, and THACHER

59-60—Physical diagnosis—Practical instruction at the Vanderbilt

Clinic, and the Out-patient Department of Bellevue Hospital, to sections of the class. 24 lessons to each student. Drs. MILLER, HART, and FRISSELL

61-62—Hospital general diagnosis—Five mornings and two afternoons a week for one month. In the wards and dispensary of Bellevue Hospital, to sections of the class. Professors JACKSON, LOCKWOOD, DRAPER, and NORRIE, and Drs. WOODRUFF, EMERSON, and GILLETTE

63-64—Clinical instruction—In the wards of St. Mary's Free Hospital for Children, to sections of the class. 2 hours a week for four weeks. Dr. SWIFT

65-66—Recitations in general medicine—To sections of the class. 2 hours a week for each student. Dr. BOVAIRD

67-68—Recitations in general medicine—To sections of the class. 2 hours a week for each student. Dr. EVANS

69-70—Recitations in general medicine—To sections of the class. 1 hour. Dr. DOW

72—Physical diagnosis—Lecture demonstrations. 1 hour a week for second half-year. Professor JAMES

73-74—Hospital clinics in general medicine:

Presbyterian Hospital—Tu. and Th. at 2.30 P.M. for four weeks, to sections of the class. Professors JAMES, KINNICUTT, and THACHER

St. Mary's Free Hospital for Children—Tu. at 3 P.M. Dr. SWIFT
Gouverneur Hospital—Th. at 3.30 P.M. Professor HUBER

75-76—Practical instruction—At the Vanderbilt Clinic, to sections of the class. 8 hours a week for four weeks. Assistants in Medicine.

77-78—Clinical and pathological conferences at the City Hospital. 1 hour a week for four weeks. Dr. THEODORE C. JANEWAY

Psychology

(See page 145)

Public Law and Jurisprudence

(See page 118)

Rhetoric and English Composition

(See page 97)

Romance Languages and Literatures

ADOLPHE COHN, LL.B., A.M. *Professor*

HENRY ALFRED TODD, Ph.D. *Professor of Romance Philology*

CARLO LEONARDO SPERANZA, LL.B., A.M. *Professor of Italian*

† Absent on leave, second half-year.

LOUIS AUGUSTE LOISEAUX, B.S.....	<i>Adjunct Professor</i>
CURTIS HIDDEN PAGE, Ph.D.....	<i>Professor</i>
DANIEL JORDAN, S.B., Pd.B.....	<i>Adjunct Professor</i>
HENRY BARGY, A.M.....	<i>Instructor</i>
JOHN DRISCOLL FITZ-GERALD, Ph.D.....	<i>Instructor</i>
HENRI FRANÇOIS MULLER, B. ès L.....	<i>Tutor</i>
DINO BIGONGIARI, A.B.....	<i>Tutor</i>
JOHN LAWRENCE GERIG, Ph.D.....	<i>Tutor</i>

See preliminary paragraphs, page 55

For courses under 100 there is a special numbering under French, Italian, and Spanish respectively. Courses above 100 are all numbered under the general heading Romance Languages and Literatures.

Courses in French

***A1-A2**—Elementary course. 3 hours. Columbia College, Professor JORDAN and Mr. BIGONGIARI. Barnard College, Mr. MULLER and Dr. GERIG

***B1-B2**—Grammar, reading, and composition. 3 hours. Columbia College, Professor JORDAN, Mr. MULLER, Dr. GERIG, and Mr. BIGONGIARI. Barnard College, Mr. MULLER and Mr. BIGONGIARI

C1-C2—Elementary course for graduate students. 2 hours. Mr. BIGONGIARI

***1-2**—Introduction to the study of French literature. 3 or 4 hours. Columbia College, Professors LOISEAUX and JORDAN, and Dr. GERIG. Barnard College, Professor PAGE and Mr. MULLER

***3-4**—Historical French. Practice in reading, writing, and speaking French. 3 hours. Columbia College, Mr. BARGY. Barnard College, Professor JORDAN

***5-6**—History of French literature in the seventeenth century. 3 hours. Columbia College, Professor COHN. Barnard College, Professor PAGE

21-22—Advanced grammar and composition. 3 hours. Professor COHN, Teachers College

[**101-102**—History of French literature in the eighteenth century, especially Voltaire. 3 hours. Professor COHN]

† **101-102**—History of French literature in the eighteenth century. 3 hours. Barnard College, Mr. BARGY

103-104—History of French literature in the eighteenth century, especially Montesquieu, Rousseau, and the Encyclopedists. 3 hours. Mr. BARGY

* Starred courses are given in both Columbia College and Barnard College.

† Given only in Barnard College.

105-106—History of French literature in the first half of the nineteenth century. 2 hours. Professor PAGE

[107-108—History of French literature in the second half of the nineteenth century. 2 hours. Professor PAGE]

111-112—French literature of the sixteenth century. 2 hours. Professor LOISEAUX

113-114—Old French. Reading and discussion of selected extracts and of complete texts. 2 hours. Professor TODD

205-206—Special topics in seventeenth century French literature. 2 hours. Professor COHN

[207-208—Special topics in eighteenth century French literature. 2 hours. Professor COHN]

[209-210—Special topics in sixteenth century French literature. 2 hours. Professor PAGE]

[211-212—History of criticism and literary ideals in France. 2 hours. Mr. BARGY]

213-214—French literature in its relation to history and political science. 2 hours. Mr. BARGY

215-216—Special topics in nineteenth century French literature. 2 hours. Professor PAGE

Education 165-166—Methods of teaching French in secondary schools. 2 hours. Teachers College, Professor COHN

301-302—Seminar—Special topics in Romance literature. Subject for 1908-09. The historical works of Voltaire. 2 hours. Professor COHN

*15-16—French conversation. 1 hour. Columbia College, Professor LOISEAUX. Barnard College, Mr. MULLER

Courses in Italian

*1-2—Elementary course—Grammar, reading, and composition. 3 hours. Columbia College, Mr. BIGONGIARI. Barnard College, Dr. GERIG

*3-4—General introduction to the study of Italian literature. Composition. 4 hours, first term only. Professor SPERANZA

[131-132—Italian literature of the fourteenth and fifteenth centuries exclusive of the *Divina Commedia*. Composition. 3 hours. Mr. BIGONGIARI]

133—Italian literature of the sixteenth century. Composition. 3 hours, first term only. Professor SPERANZA

[135-136—Critical study of Dante's *Divina Commedia*. First part. 3 hours, first term only. Professor SPERANZA]

* Starred courses are given in both Columbia College and Barnard College.

[137-138—Critical study of Dante's *Divina Commedia*. Second part. 2 hours. Professor SPERANZA]

231—Italian literature of the second half of the eighteenth century and of the nineteenth century. 4 hours, first term only. Professor SPERANZA

Courses in Spanish

*1-2—Elementary course. 3 hours. Professor LOISEAUX

*3-4—General introduction to Spanish literature. Composition. 3 hours. Dr. FITZ-GERALD

[141-142—The novela of the golden age. 3 hours. Dr. FITZ-GERALD]

143-144—The Spanish classical drama. 3 hours. Dr. FITZ-GERALD

241-242—History of Spanish literature. Lectures and private reading. 1 hour. Dr. FITZ-GERALD

11-12—Spanish conversation. 1 hour. Professor LOISEAUX

Courses in Romance Philology

151-152—Introduction to Romance philology. 2 hours. Professor TODD

251-252—The formative elements of the French language. 1 hour. Professor TODD

[253-254—Oldest monuments of the French language. 1 hour. Professor TODD]

[255-256—Old French dialects. 1 hour. Professor TODD]

259-260—Old Provençal. 1 hour. Professor TODD

261-262—The origins of Spanish poetry. 1 hour. Dr. FITZ-GERALD

[263-264—The oldest monuments of the Spanish language. 1 hour. Dr. FITZ-GERALD]

265-266—The origins of the Spanish novela. 1 hour. Dr. FITZ-GERALD

[267-268—The origins of the Spanish drama. 1 hour. Dr. FITZ-GERALD]

271-272—Portuguese. 2 hours. Professor TODD

273-274—Rumanian. 2 hours. Professor COHN

303-304—Seminar—Presentation and discussion of doctoral dissertation work. 2 hours. Professor TODD

* Starred courses are given in both Columbia College and Barnard College.

Public Lectures

Weekly lectures in French, and occasional lectures in Italian and Spanish, open to all members of the University, are given by the members of the department and by invited lecturers.

The Romance Club

The Romance Club consists of all the instructors and advanced students in the department. At its meetings, which are partly of a social character, an account is given of the most important articles on the Romance languages and literatures in the recent French, English, German, Italian, and Spanish periodicals; new books are discussed, letters from absent instructors and former students in the department are read, etc.

Equipment

The Library of Columbia University is well supplied with French, Spanish, and Italian works, as well as with works upon Romance philology. Its list of periodicals of interest for students in the department is especially rich. The Library has also complete sets of the most important series and collections, such as the *Altfranzösische Bibliothek*, *Romanische Bibliothek*, publications of the Modern Language Association, publications of the Société des anciens Textes français, *Histoire littéraire de la France*, *Ausgaben und Abhandlungen aus dem Gebiete der romanischen Philologie*, *Jahrbuch für romanische und englische sprachen*, etc.

An important addition to the equipment of the department consists of the library of the Hispanic Society of America, 153d Street and Audubon Park, the work of which is conducted in agreement with the Romance department.

Co-operation with the Alliance Française

Elementary evening classes in French are conducted in co-operation with the Alliance Française at Morningside Heights and in the building of the College of Physicians and Surgeons.

French Societies

Two societies have been organized for the purpose of fostering the use of the French language among the members of the University, viz., the Société Française de l'Université Columbia, which admits only men, and the Société Française de Barnard College, which admits only women. They give performances of French plays. The following plays have been presented in recent years: Scribe and Legouvé, *Bataille de Dames*; Meilhac and Halévy, *L'Eté de la Saint Martin*; Eugène Labiche, *Le Voyage de M. Perrichon*, *Un Monsieur qui prend la mouche*; Molière, *Le Médecin malgré lui*, *Les Fourberies de Scapin*, etc.

Shopwork

Offered by the Department of Manual Training at Teachers College

CHARLES CONRAD SLEFFEL.....	<i>Instructor</i>
CHARLES WILLIAM WEICK, B.S.....	<i>Instructor</i>
LEWIS HOWELL HAIGHT.....	<i>Instructor</i>

1—Joinery and pattern making. Shopwork, demonstrations, and shop visits. The construction of typical patterns and core boxes, solid, split, and piece, involving the use of bench tools and turning lathe. Mechanical Engineering. Second year. 2 afternoons, first term. Mr. WEICK

2—Molding and foundry practice. Shopwork, demonstrations, and shop visits. Bench molding with type patterns, swept work in green sand and loam and molding in dry sand. Mechanical Engineering. Second year. 1 afternoon, second term. Mr. SLEFFEL

3—Forging. Shopwork, demonstrations, and shop visits. Management of fire, shaping, drawing, upsetting, swaging, welding, tempering, and die-forging. Work on drop and helve hammers. Mechanical Engineering. Second year. 2 afternoons, second term. Mr. SLEFFEL

4—Machine work. Shopwork, demonstrations, and shop visits. Practical work with the lathe, planer, drill, shaper, milling machine, grinder, and turret lathe. Assembling, erection, and rigger's work. Mechanical Engineering. Three weeks in June or September, second year, and 2 afternoons, first term, third year. Mr. HAIGHT

5—Machine work. As above. Electrical Engineering. Second year. 1 afternoon. Mr. HAIGHT

6—Forging and foundry practice. As above. Civil Engineering. Second year. 1 afternoon, first term. Mr. SLEFFEL

7—Machine work. As above. Civil Engineering. Second year. 1 afternoon, second term. Mr. HAIGHT

8—Forging, foundry practice, and machine work. As above. Chemical Engineering. Second year. Three weeks in June. Mr. SLEFFEL and Mr. HAIGHT

Social Economy

(See page 85)

Sociology and Statistics

(See page 85)

Surgery

JOSEPH A. BLAKE, M.D.....	<i>Professor</i>
GEORGE E. BREWER, M.D.....	<i>Professor of Clinical Surgery</i>

FRANK HARTLEY, M.D.	<i>Professor of Clinical and Operative Surgery</i>
¹ ANDREW J. MCCOSH, M.D., LL.D.	<i>Professor of Clinical Surgery</i>
ALEXANDER B. JOHNSON, M.D.	<i>Professor of Clinical Surgery</i>
BERN B. GALLAUDET, M.D.	<i>Associate in Clinical Surgery</i>
CHARLES T. POORE, M.D.	<i>Associate in Clinical Surgery</i>
ROBERT ABBE, M.D.	<i>Associate in Clinical Surgery</i>
WILLIAM B. COLEY, M.D.	<i>Associate in Clinical Surgery</i>
LUCIUS W. HOTCHKISS, M.D.	<i>Associate in Clinical Surgery</i>
JOHN B. WALKER, M.D.	<i>Associate in Clinical Surgery</i>
CHARLES N. DOWD, M.D.	<i>Associate in Clinical Surgery</i>
WILLIAM C. CLARKE, M.D.	<i>Associate in Surgery</i>
J. W. DRAPER MAURY, M.D.	<i>Associate in Surgery</i>
WALTON MARTIN, M.D.	<i>Instructor in Clinical Surgery</i>
EDWARD M. FOOTE, M.D.	<i>Instructor in Clinical Surgery</i>
ALFRED S. TAYLOR, M.D.	<i>Instructor</i>
A. EMIL SCHMITT, M.D.	<i>Instructor</i>
FORBES HAWKES, M.D.	<i>Instructor in Clinical Surgery</i>
CLARENCE A. MCWILLIAMS, M.D.	<i>Instructor in Clinical Surgery</i>
ADRIAN V. S. LAMBERT, M.D.	<i>Chief of Clinic and Instructor</i>
EUGENE H. POOL, M.D.	<i>Instructor in Clinical Surgery</i>
JAMES C. AYER, M.D.	<i>Instructor in Clinical Surgery</i>
PERCY R. TURNURE, M.D.	<i>Instructor in Clinical Surgery</i>
ROWLAND COX, Jr., M.D.	<i>Instructor</i>
JAMES H. KENYON, M.D.	<i>Instructor</i>
HOWARD D. COLLINS, M.D.	<i>Instructor in Clinical Surgery</i>
WILLIAM DARRACH, M.D.	<i>Instructor in Clinical Surgery</i>
JAMES I. RUSSELL, M.D.	<i>Instructor</i>
ARTHUR S. VOSBURGH, M.D.	<i>Instructor</i>
FREDERICK T. VAN BEUREN, M.D.	<i>Assistant</i>
HENRY VAN V. HOLCOMB, M.D.	<i>Assistant</i>
ALFRED C. PRENTICE, M.D.	<i>Assistant</i>
NOEL B. LEGGETT, M.D.	<i>Assistant</i>

Clinical Assistants

ALFRED RAABE, M.D.	CLINTON B. KNAPP, M.D.
RANSOM S. HOOKER, M.D.	

WILLIAM T. BULL, M.D., *Emeritus Professor of Surgery*
 ROBERT F. WEIR, M.D., *Emeritus Professor of Clinical Surgery*
 CHARLES MCBURNEY, M.D., *Emeritus Professor of Clinical Surgery*

Courses

See preliminary paragraphs, page 55

For Courses in Genito-Urinary Diseases see under Clinical Instruction, page 79.

¹ Died December 2, 1908.

51-52—Surgical pathology, general and regional surgery—Didactic lectures. 1 hour. Professor BLAKE

53-54—Clinics in general surgery at the Vanderbilt Clinic. 2 hours. Professors BLAKE and BREWER

55-56—Clinics at Roosevelt Hospital. 4 hours. Professors BLAKE and BREWER

79-82—Minor surgery and bandaging—Practical instruction at the Vanderbilt Clinic, and the out-patient department, Roosevelt Hospital. 45 lessons for each student. Drs. LAMBERT and DARRACH

61-62—Operative surgery upon the cadaver—Practical instruction to sections. Each student performs for himself upon the cadaver the principal operations, special attention being paid to operation upon the abdominal viscera. 10 to 12 lessons for each student. Professor HARTLEY, Drs. TAYLOR, SCHMITT, AYER, COX, and KENYON

63-70—Practical instruction to sections of the class in Vanderbilt Clinics, Bellevue, Roosevelt, Presbyterian, and the City Hospitals. Professor BREWER, Drs. GALLAUDET, HOTCHKISS, MARTIN, McWILLIAMS, COLLINS, FOOTE, and assistants in surgery

75-76—Practical instruction in the surgery of children at St. Mary's Free Hospital for Children, to sections of the class, once a week for two months for each student. Dr. DOWD

78—Practical instruction in the mechanical treatment of hernia at the Hospital for the Ruptured and Crippled, to sections. 1 hour. Dr. COLEY

83-86—Recitations in general and regional surgery, to sections. 2 hours. Drs. VOSBURGH and RUSSELL

89-90—Recitations and clinic in surgical pathology and general surgery, to sections. 3 hours. Dr. CLARKE

87-88—Practical instruction in surgical technic at the Laboratory for Surgical Research, to sections. Dr. MAURY

91-92—HOSPITAL CLINICS (optional):

New York Hospital. 1 hour. Professors HARTLEY and JOHNSON

St. Luke's Hospital. 1 hour. Dr. ABBE

Presbyterian Hospital. 1 hour. Dr. McCOSH

Hospital for the Ruptured and Crippled. 5 hours. Professors GIBNEY and BULL, and Drs. COLEY and WHITMAN

St. Mary's Free Hospital for Children. 2 hours. Drs. POORE and DOWD

Zoölogy

EDMUND B. WILSON, Ph.D., LL.D.....*Professor*
HENRY F. OSBORN, Sc.D., LL.D.....*Da Costa Professor*

BASHFORD DEAN, Ph.D.....	<i>Professor of Vertebrate Zoölogy</i>
HENRY E. CRAMPTON, Ph.D....	<i>Professor of Zoölogy in Barnard College</i>
GARY N. CALKINS, Ph.D.....	<i>Professor of Protozoölogy</i>
MAURICE A. BIGELOW, Ph.D.....	<i>Professor of Biology in Teachers College</i>
THOMAS H. MORGAN, Ph.D.....	<i>Professor of Experimental Zoölogy</i>
JAMES H. MCGREGOR, Ph.D.....	<i>Adjunct Professor of Zoölogy</i>
RAYMOND C. OSBURN, Ph.D.....	<i>Instructor in Barnard College</i>
¹ MARGARET A. REED, A.B.....	<i>Tutor in Barnard College</i>
PAULINE H. DEDERER, A.M.....	<i>Tutor in Barnard College</i>
WILLIAM K. GREGORY, A.M.....	<i>Lecturer</i>
DAYTON J. EDWARDS, B.S.....	<i>Assistant</i>
LOUISE H. GREGORY, A.M.....	<i>Assistant in Barnard College</i>
HENRY J. SPENCER, M.A.....	<i>Assistant</i>

Of the following courses 1-2, 3-4, 5, 91-92, and 101-102 are given separately at Barnard College, 151-152 only at Barnard; all other courses numbered above 100 are open to women.

For courses given at Teachers College see the current announcement of Teachers College.

Courses

See preliminary paragraphs, page 55

1-2—Elementary biology, zoölogy, general principles of biology. Pre-requisite, Science A or elementary chemistry or physics. C 2 hours, L 4 hours. Professors CALKINS, DEAN, and MCGREGOR

[1—General biology and invertebrate zoölogy. Professors CALKINS and MCGREGOR]

[2—Evolution and vertebrate zoölogy. Professors DEAN and MCGREGOR]

[Course 3-4 may with advantage be taken with 1-2 to form a more comprehensive course. It may be taken only in connection with or subsequent to 1-2]

3-4—General histology. C 1 hour, L 2 hours. Professor MCGREGOR. General embryology. C 1 hour, L 2 hours. Professor MORGAN.

5—General biology. 3 hours (one afternoon) of lectures, conferences, and laboratory work. Prerequisite 1-2. Professor WILSON

91-92—General zoölogy (to follow 1-2). Professor MCGREGOR

[91—Invertebrates. C 3 hours, L 6 hours]

[92—Vertebrates. C 3 hours, L 6 hours]

94—Embryology of vertebrates. C 1 hour, L 2 hours. Professor MCGREGOR. Prerequisite 1-4.

¹ Absent on leave in 1908-09.

101-102—General zoölogy. *C* 3 hours, *L* 6 hours, and assigned work. Professor MCGREGOR

106—Cellular biology—General structure and functions of the cell. *C* 1 hour, *L* 5 hours. Professor WILSON

Open to undergraduates who have had at least two years of study in zoölogy.

110—Special morphology. The parasitic protozoa. *C* 1 hour, *L* 5 hours. Prerequisite 1-2. Professor CALKINS

151-152—General physiology (for women). *C* 2 hours, *L* 4 hours. Dr. OSBORN

201-202—Comparative zoölogy—Lectures, seminar, and laboratory work. Two days. Either half may be taken separately.

[201—Special topics in invertebrate zoölogy. Professor WILSON

[202—Evolution of the vertebrates. Professor OSBORN and Dr. GREGORY

203-204—Mammals, living and fossil—Lectures and laboratory course. 6 hours (one day). Professor OSBORN

The latter part of this course is given in the American Museum of Natural History.

207—Advanced biology—Individual study of special biological problems as an introduction to original investigation.

209-208—Comparative embryology. One day. Professors DEAN and CALKINS

210—The protochordates. One day. Professor MCGREGOR

212—The experimental study of evolution, with special reference to statistical work. One day. Professor CRAMPTON.

213—The tropisms of animals. 1 hour, with demonstrations and opportunities for laboratory work. Professor MORGAN

215-216—Experimental zoölogy. 1 hour with laboratory work on special problems. Professor MORGAN

217—Regeneration. 1 hour. Professor MORGAN

218—Experimental embryology. This course is parallel to 220. 1 hour. Professor MORGAN

220—Cellular embryology. 6 hours (one day). Professor WILSON

221-222—Protozoölogy. *C* 1 hour, *L* 5 hours. Professor CALKINS

226—The enterocœla (exclusive of the protochordates). *C* 1 hour, *L* 5 hours. Professor CRAMPTON

228—Fishes, living and fossil. *C* 1 hour, *L* 2 hours. Professor DEAN

JOURNAL CLUB—Reports and discussions of recent literature by

members of the staff, graduate students, and others. 1 hour a week throughout the year. Under direction of the staff.

SEMINAR—Critical discussion of selected topics by members of the staff and graduate students. Subject and time are specially arranged.

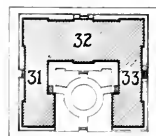
UNIVERSITY BIOLOGICAL LECTURES—A course of lectures on general topics, given, as a rule, each year, by members of the staff and eminent specialists from other institutions. These lectures form the basis of the Columbia Biological Series, edited by Professors OSBORN and WILSON

Laboratories, Libraries, and Equipment

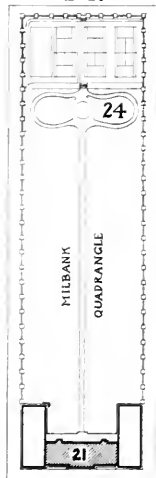
The zoological laboratories on the upper floor of Schermerhorn comprise a large general undergraduate laboratory, three graduate laboratories, and eight rooms for private research, besides special rooms for supplies, aquaria, and preparation. There are also a commodious lecture-room, a library, and a seminar-room. The laboratories are well equipped with optical instruments, microtomes, and other apparatus for advanced work. The teaching collections include a series of the Mediterranean and American marine types, and the injected vertebrate series of Fric and Muller, a set of standard and specially prepared charts and wax models, and a variety of living animals and plants contained in fresh-water and marine aquaria.

The departmental library, a part of the University Library kept in the laboratory, the gift of Charles H. Senff, Esq., is a memorial to the late Dr. John I. Northrop. It embraces sets of the standard biological works and includes the journals and a rapidly increasing collection of special monographs. A fund is available for the purchase of literature needed in connection with the special researches of students.

Important adjuncts to zoological work are offered by the American Museum of Natural History, the Bronx Zoological Garden, the New York Aquarium, and by the marine biological laboratories at Wood's Hole, Mass., and Cold Spring Harbor, L. I. An investigator's table is held at the Wood's Hole laboratory, and the John D. Jones scholarship is available at the Cold Spring Harbor laboratory. A table at the Naples Zoological Station is now supported by the University.



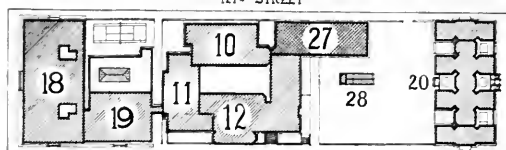
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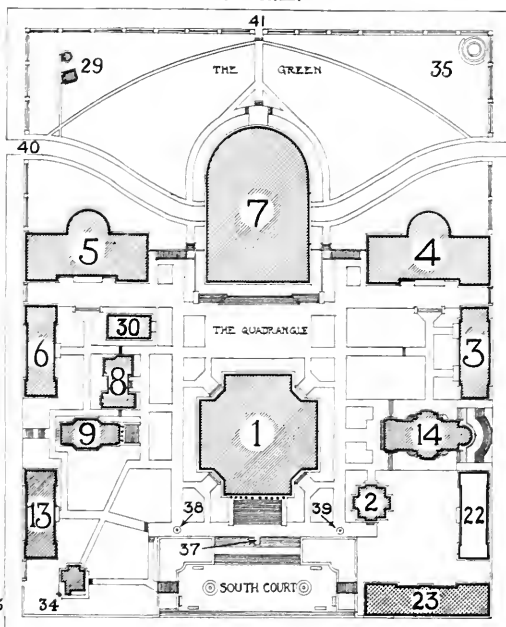
QUINCY UNIVERSITY
STUDENT CENTER

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ENTRANCE EXAMINATIONS

Committee

Professor YOUNG, *Chairman*; Professors COLE, CRAMPTON, HAMLIN, HERVEY, LAMBERT, MCCREA, MAYER, H. B. MITCHELL, RUSBY, and SACHS.

GENERAL STATEMENT

There are no examinations for admission to the Schools of Law, Political Science, Philosophy, Pure Science, and Fine Arts (Courses leading to degrees), or to Teachers College. For the requirements for admission to these departments, see the separate announcements of the Schools and Faculties concerned.

Examinations for admission to Columbia College, Barnard College, the College of Physicians and Surgeons until July 1, 1910, the College of Pharmacy (University Course), the Schools of Mines, Engineering, and Chemistry, and the Schools of Fine Arts (courses leading to certificates) are held each year in January, June, and September. In 1909 they will be held January 18-25, June 14-19, and September 13-20.

In June the examinations are those of the College Entrance Examination Board, of which Columbia University is a member. The University accepts the numerical ratings of the Board, but fixes a uniform passing mark for the several colleges and schools.

In January and September the examinations will be held only at the University. The Board *at present* holds examinations only in June.

While all persons taking the January examinations will receive due credit for the results of the examinations, students may be admitted, at the beginning of the second half-year, only to Columbia College and Barnard College.

All correspondence with the College Entrance Examination Board, all requests for its publications, etc., should be addressed to its Secretary, Post-Office Sub-Station 84, New York, N. Y.

All correspondence with the University should be addressed to the Secretary of the University.

APPLICATION FOR EXAMINATION

Every candidate for examination is required to file an application.

For the examinations in June, 1909, the application must be filed with the Secretary of the College Entrance Examination Board.

Applications for examination in the United States East of the Mississippi River (also at Minneapolis, St. Louis, and other points on the Mississippi River) must be filed on or before May 31. Applications for examination elsewhere in the United States or in Canada must be filed on or before May 24. Applications for examination outside of the United States and Canada must be filed on or before May 10. Requests for blank forms of application should be addressed to the Secretary of the Board.

For the examinations in January and September, 1909, applications should reach the Registrar of Columbia University on or before January 11, and September 4. Requests for blank forms of application should be addressed to the Secretary of Columbia University and the Registrar of Barnard College.

EXAMINATION FEE

Every application for examination in June must be accompanied by a fee of \$5 for all candidates examined at points in the United States and Canada, and \$15 for all candidates examined at points outside of the United States and Canada.

Every application for examination in January or September must be accompanied either by a fee of \$5, by a receipt from the Bursar for an examination fee previously paid, or by the receipt issued by the Secretary of the College Entrance Examination Board for the June examinations immediately preceding. *The latter will be accepted in either September or January, but not in both; and a single fee paid to the University will cover only two consecutive series of examinations, namely January and September or September and January.*

If a late application is accepted either by the College Entrance Examination Board, or by the University, a second fee of \$5 must be paid.

The examination fee receipt should be carefully preserved. It must be presented by the candidate to the Supervisor in charge of the examinations which he attends as evidence that he is entitled to be admitted to the same. No candidate will be admitted to the January or September examinations upon the receipt of the Board, unless that receipt bears the certification of the Registrar of Columbia University that the candidate's application has been filed.

DIVISION OF EXAMINATION

A candidate may present himself at any of the scheduled series of examinations subject to the following restrictions:

- (1) He may not present himself at more than four series of examinations except by special consent of the Committee on Admissions of the School which he purposes to enter.

- (2) At the first and second series credit will be given only for such subjects, or lettered (or numbered) parts of a subject as are approved by his principal instructor.
- (3) The results of an examination shall stand to his credit for twenty-nine months, but no longer.

PLACES OF EXAMINATION

In June, 1909, entrance examinations will be held at a large number of widely distributed points, a list of which will be published by the Board about March 1. Requests for examinations at particular points should reach the Secretary of the Board not later than February 1.

In January and September, 1909, examinations will be held only at the University.

EXAMINATION SUBJECTS

Columbia University recognizes the following examination subjects which may be offered for admission to one or more of the colleges and schools included in the University, each subject counting for a specific number of units as indicated below:

English.....	3	Harmony.....	1
Elementary French.....	2	Musical Appreciation	1
" German.....	2	Musical Performance ¹	2
" Greek.....	3	Physiography.....	1
" History.....	2	Shopwork ¹	1
" Italian ¹	2	Zoölogy.....	1
" Latin.....	4	Intermediate French.....	1
" Mathematics....	3	" German.....	1
" Physics.....	1	Advanced English ¹	1
" Spanish.....	2	" Greek ¹	1
Botany.....	1	" History ¹	1
Chemistry.....	1	" Latin ¹	1
Drawing.....	1	" Mathematics.....	1

The combinations of subjects for admission to the several colleges and schools are indicated in the pages devoted to each college or school, under the heading Admission.

SCHEDULE OF EXAMINATIONS

The examination at Columbia University will be held as follows:

For men, in Hamilton Hall in January, and in the Gymnasium in June and September.

For women, in Barnard College in January, June, and September.

Candidates taking these examinations must report to the Supervisor, in the examination room, fifteen minutes in advance of the first examination which they are to attend.

¹Candidates will be examined in this subject only in January and September.

Schedule

January 18-25, 1909, June 14-19, 1909

Monday, January 18 and June 14

Mathematics <i>a</i> , <i>i</i> , <i>ii</i> (Elementary Algebra: to Quadratics; Quadratics, etc.).....	9.30-12.30
History <i>b</i> (Mediæval and Modern History).....	1.30-3.30
History <i>d</i> (American History).....	1.30-3.30
Physics (Elementary).....	3.45-5.45
Botany.....	3.45-5.45
Zoölogy.....	3.45-5.45

Tuesday, January 19 and June 15

Mathematics <i>c</i> , <i>d</i> (Plane Geometry; Solid Geometry)...	9-12
History <i>a</i> (Ancient History).....	1.30-3.30
History <i>c</i> (English History).....	1.30-3.30
German <i>a</i> (Elementary German).....	3.45-5.45

Wednesday, January 20 and June 16

*Shopwork (Written).....	9-10.30
Latin <i>b</i> (Cæsar).....	9-10.30
Latin <i>m</i> (Sight Translation).....	10.45-12.30
French <i>a</i> (Elementary French).....	1.30-3.30
German <i>b</i> (Intermediate German).....	3.45-5.45
Spanish.....	3.45-5.45
*Italian.....	3.45-5.45

Thursday, January 21 and June 17

Latin <i>c</i> (Cicero).....	9-11
Latin <i>a</i> (Grammar and Composition).....	11.15-12.30
Latin <i>d</i> (Vergil's <i>Æneid</i> , Books I-VI).....	1.30-3.30
French <i>b</i> (Intermediate French).....	3.45-5.45

Friday, January 22 and June 18

English <i>a</i> (Reading and Practice).....	9-11
Latin <i>l</i> (Prose Composition).....	11.15-12.30
English <i>b</i> (Study and Practice).....	1.30-3.30
Chemistry.....	3.45-5.45
Physiography.....	3.45-5.45
Greek <i>c</i> (Homer's <i>Iliad</i> , Books I-III).....	3.45-5.45
Music <i>b</i> (Harmony).....	3.45-5.45

Saturday, January 23 and June 19

Greek <i>b</i> (Xenophon).....	9-11
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*Not offered in June.

Drawing.....	9-11.30
Greek <i>a</i> (Grammar and Composition).....	11.15-12.30
*Advanced History.....	1.30-3.30
Mathematics <i>e</i> (Trigonometry).....	1.30-3.30
Greek <i>g</i> (Sight Translation).....	1.30-3.30
Greek <i>f</i> (Prose Composition).....	3.45-5.45
Music <i>a</i> (Musical Appreciation).....	3.45-5.45

Monday, January 25

*Shopwork (Laboratory).....	10-12
*Advanced English.....	9-12
*Advanced Greek.....	9-12
*Advanced Latin.....	1-4

SUBMISSION OF NOTE-BOOKS, DRAWINGS, ETC.

All work submitted must be duly certified to in ink by the teacher in the following form:

"I certify that this is a true and original record of work actually performed bywhile in attendance at during the year 19.....

Instructor in.....

Drawings should bear a similar certification, or in case of work not done under instruction should be accompanied by the candidate's own signed declaration.

All note-books unless otherwise specified should be submitted at the time for examination. Candidates desiring their return should apply for the June examinations to the Secretary of the College Entrance Examination Board; for the September and January examinations, to the Secretary of the University.

English exercise books, submitted in lieu of examination, Advanced English essays, or Advanced History note-books, should be sent to the Secretary of the University at least two weeks before the examinations begin. Within ten days the candidate will be informed whether or not the work submitted has been accepted. English exercise books will *not* be returned to the writers. All note-books uncalled for one year from the date of submission will be destroyed.

DEFINITIONS OF REQUIREMENTS¹

(Specimens of the question papers set by Columbia University may be obtained from the Secretary upon application. The question

* Not offered in June.

¹The several subjects are stated in terms of units; the unit is a course of five periods weekly throughout an academic year of the preparatory school; the subjects are assigned units in accordance with the time required to prepare adequately upon them for college entrance.

papers set by the College Entrance Examination Board are published annually in book form by Ginn & Company, Boston, Mass.)

The following abridged statements are intended merely to indicate the general scope of the requirements. The official definition of each requirement is printed in full in the Bulletin of Entrance Examinations and Admission and any person who intends to take the examinations himself or to prepare others for them should procure this Bulletin. The current edition of the Bulletin and specimen question papers may be obtained from the Secretary of Columbia University upon application.

Botany¹ (One unit). (1) Structure and life history of 16 or more types of representative families of plants, 10 of them seed plants. (2) Elementary plant physiology. (3) Elementary natural history (ecology of plants). Requiring one year of laboratory and class-room instruction, for the course.

Chemistry¹ (One unit). Preparation and properties of the common elements and their important compounds.

Mastery of the more usual chemical terms and ability to make simple calculations and explanations of chemical processes. Preparation should include lectures and demonstrations, study of standard elementary text-books, and forty or more laboratory exercises.

Drawing¹ (One unit). The ability to sketch free-hand with reasonable accuracy—(a) From dictation: Simple geometrical figures; (b) From the object: A vase, household utensil, or other familiar object; (c) From the copy: Enlarging or reducing simple pieces of machinery or architectural or decorative detail. (At least 20 freehand drawings must be submitted.)

English (Three units). (a) Reading and Practice (this part of the test may be fulfilled in whole or in part by an exercise book). (See page 173.) A test of training in English composition. A list of the books prescribed for reading appears in the Bulletin. (b) Study and Practice. The subject-matter, form and structure of certain specified works, and incidentally English grammar and English literary history. Prescribed for 1909:—Macbeth; Lycidas; Comus; L'Allegro and Il Penseroso; Burke on Conciliation, or Washington's Farewell Address and Webster's First Bunker Hill Oration; Macaulay's Life of Johnson, or Carlyle's Essay on Burns. (For succeeding years see Bulletin.)

English, Advanced (One unit). Candidates must have covered substantially the same ground as that included under English

¹ A certified and indexed note-book must be submitted (see p. 173).

A1-A2. (See page 97). (1) English composition, presupposing the elements of rhetoric. (2) General history of English literature, and selected works (a list of which may be obtained from the Secretary of the University). Ten essays of at least 500 words each must also be submitted. (See p. 173.)

French, Elementary (Two units). Accurate pronunciation and the ability to read at sight easy prose and to put into French simple English sentences. The rudiments of the grammar, involving all but the rare irregular verb forms and the simpler uses of conditional and subjunctive. The preparation should include, beside the mastery of a good elementary text-book, the reading of 300-600 pp. of easy French.¹

French, Intermediate (One unit). Additional reading, 400-600 pp. including dramatic works. Grammar completed. Further drill in composition.

German, Elementary (Two units). Accurate pronunciation and the ability to read easy dialogue and narrative prose, and a working knowledge of grammar and composition adequate for the putting into German of simple English sentences based upon a familiar vocabulary. The preparation should include, beside the mastery of a good elementary text-book, the reading of 150-200 pp. of easy German.¹

German, Intermediate (One unit). Additional reading, 400 pp. of moderately difficult prose and poetry. Further drill in grammar and composition, with special reference to syntax.

Greek, Elementary (Three units). (a) 1 and 2. — Attic grammar and elementary composition, based on Anabasis I-II. (b) Anabasis I-IV. (c) Iliad I-III (except II 494-end) with tests concerning constructions, poetic forms, and prosody. (f) Translation into Greek of simple continuous English prose. (g) Translation into English at sight of continuous Greek prose.

Greek, Advanced (One unit). Candidates must have covered substantially the same ground as that included under Greek 3-4 (see p. 107): at least 1200 additional lines in Homer, Herodotus, Bk. vi., and Plato's Apology.² Also at least fifteen exercises in Spieker's Greek Prose Composition.

History, Elementary (Each of the four divisions a, b, c, and d counts one unit. Candidates for admission to the Schools of Mines, Engineering, and Chemistry may offer one or more of the di-

¹ A list of the reading recommended will be found in the Bulletin.

² For information concerning possible substitutions, see Bulletin.

visions without restriction. All other candidates may offer any one or any two of the divisions without restriction). (a) Ancient, beginning with brief study of Oriental peoples and coming down to the death of Charlemagne, with reference to art, literature, and government. (b) From 800 on including growth of the State system. (c) English history, including social and political developments. (d) American history with the elements of civil government.

Each field may best be covered by an accurate text-book of 300 pp. plus, say, 300 pp. of selected supplementary reading.

History, Advanced¹ (One unit). (Candidates must have offered for elementary history either a and b or c and d, and must present themselves for examination upon the two divisions *which they did not offer as an elementary subject*.) The work performed must have been of the same kind, amount and quality as that required for History A1-A2 (see page 110). Supplementary reading emphasizing the significance of historical phenomena. The candidate must present at least 5000 words of notes on each historical field offered, and show practice in making historical parallels, in preparing digests of outside reading, and in the use of historical maps.

Italian, Elementary (Two units). The requirement corresponds to that in Elementary French (see p. 158).

Latin, Elementary (Four units), i.e., a, c, d, l, and m, or two units i.e., a and either c or d, or—except for Columbia College, Barnard College, and Schools of Music and Design (courses leading to a certificate in Music or Design—b. (a) i and ii—Elementary grammar and prose composition. (b) Any four books of Cæsar's Gallic War, preferably I-IV. (c) Cicero, any six orations, preferably the four orations against Catiline, Archias, and the Manilian Law. (d) Vergil. The *Æneid* I-VI, with incidental prosody. (l) Translation into Latin of simple continuous English prose. (m) Translation into English at sight of continuous Latin prose.

Latin, Advanced (One unit). Candidates must have covered substantially the same ground as that included under Latin A1-A2 (see page 114). Horace, Odes Bks. I and III, with incidental prosody, and Livy, Bk. XXI and Chapters 41-53 Bk. XXII² (or, for Barnard College, Vergil, Eclogues and Ovid, selections). Fifteen exercises from Part I and ten from Part II of Gildersleeve and Lodge's Prose Composition.

¹ A certified note-book must be submitted (see p. 173).

² For information as to possible substitutions, see Bulletin.

Mathematics, Elementary (Three units). (a) Elementary algebra, including—i, the four fundamental operations for rational expressions, and such topics as lowest common multiple, ratio and proportion, linear equations, radicals, fractional and negative exponents; ii, quadratic equations, arithmetic and geometric progressions, the binomial theorem for positive integral exponents, the use of graphical methods. (b) Plane geometry—original exercises, loci, mensuration of lines and plane surfaces.

Mathematics, Advanced (One unit). (d) Solid geometry, original exercises, loci problems, mensuration of surfaces and solids. (e) Trigonometry, the principal formulas, simple equations and triangles, theory and use of logarithms (without infinite series).

Music. NOTE—A candidate for admission to Columbia College may offer either a or b. A candidate for admission to the School of Music (courses leading to a certificate in Music) may offer either a or b or both—with or without the addition of Musical Performance.

(a) Musical Appreciation (not involving ability to perform nor to read from printed music) (One unit). (1) the principal musical forms and their historical development; (2) the lives and environment of Bach, Mozart, Beethoven, Schubert, and Chopin, and five other composers; (3) familiarity with certain compositions designated in Bulletin.

(b) Harmony (One unit). The elements of simple harmonization.

(c) Musical Performance (Two units). The candidate should communicate with the School of Music regarding this requirement.

Physics¹ (One unit). The most important facts and laws in elementary physics. Preparation should include the mastery of a standard text-book supplemented by numerical problems, instruction by lecture with demonstrations and individual laboratory exercises—say, mechanics, 13; sound, 3; heat, 5; light, 6; electricity, 8.

Physiography 1 and 2 (One unit). Preparation includes modern text-books and at least forty individual laboratory and field exercises—say, earth as a globe, 5; ocean, 5; atmosphere, 12; land, 18.

Shopwork (One unit). Involving in each subject 180 laboratory hours, examination, both written and practical, on the use and

¹ A certified and indexed note-book must be submitted (see p. 173).

² This is identical with the subject called Geography by the College Entrance Examination Board.

structure of tools, nature of shop processes, methods of construction, and properties of materials. Authenticated models may be presented as evidence of technical skill.

The candidate may offer either (a) Woodwork—i, joinery, ii, turning and patternmaking, or (b) Forging, or (c) Machine-work.

Spanish, Elementary (Two units). The requirements correspond to that in elementary French, see page 175.

Zoölogy (One unit). Laboratory and field study, supplemented by text-book and further reading. (1) General natural history of common American animal types. (2) Classification of animals into phyla and leading classes. (3) Structure of typical animals—say, frog or fish, decapod, earthworm, hydra, protozoön. (4) Physiology of the types studied and comparison of life-processes of animals and plants. (5 and 6) (in a very elementary way) Reproduction, embryology, and (optional) elements of cytology. (7) (optional) biological history.

REGULATIONS FOR THE DEGREES OF MASTER OF ARTS AND DOCTOR OF PHILOSOPHY

NOTE.—Attention is particularly called to that part of the *Announcement* of the graduate faculties entitled "Instruction for Graduate Students."

1. Candidates for the degrees of Master of Arts and Doctor of Philosophy known as the Higher Degrees must hold a baccalaureate degree in arts, letters, philosophy, or science, or an engineering degree, or have an education equivalent to that represented by one of these degrees, such equivalence to be passed upon in every case by the Standing Committee on Higher Degrees.

Every candidate for a higher degree must present to the Dean of each school in which he intends to study satisfactory evidence that he is qualified for the studies he desires to undertake.

2. Candidates for the degrees of Master of Arts and Doctor of Philosophy must pursue their studies in residence for a minimum period of one and two years, respectively.¹ The year spent in study for the former is credited on account of the requirement for the latter. Residence at other universities may be credited to a candidate. In certain cases and by special arrangement, time exclusively devoted to investigation in the field will be credited in partial fulfilment of the requirement of residence. No degree will be conferred upon any student who has not been in residence at Columbia University as a graduate student for at least one year. The satisfactory completion, at not less than four Summer Sessions or two consecutive Summer Sessions and a half-year intervening or following, will be accepted as fulfilling the minimum requirement of one year's university residence.

3. Each student who declares himself a candidate for a higher degree shall designate one principal or major subject and two subordinate or minor subjects.

Candidates are expected to devote about one-half of their time throughout their course of study to the major subject, and about one-quarter to each minor subject.

Except by vote of the Committee on Higher Degrees, upon the recommendation of the Dean and the head of the department concerned, no candidate may choose his major and both minor subjects under one department.

¹In practice three years of university residence subsequent to the attainment of the Bachelor's degree, or its equivalent, are usually necessary to obtain the degree of Doctor of Philosophy.

Minor subjects may not be changed except by permission of the Dean, on the written recommendation of the heads of the departments concerned; major subjects may not be changed except by vote of the Faculty in each case.

Both the professor in charge of the major subject and the Dean of the Faculty under which that subject lies must pass upon the student's qualifications for the course of study he desires to pursue, and approve his choice of subjects before registration can be effected.

4. The subjects from which the candidate's selection must be made are:

UNDER THE FACULTY OF POLITICAL SCIENCE

Group I.—History and political philosophy: 1. Ancient and oriental history; 2. mediæval history; 3. modern European history from the opening of the 16th century; 4. American history; 5. political philosophy.

Group II.—Public law and comparative jurisprudence: 1. Constitutional law; 2. international law; 3. administrative law; 4. comparative jurisprudence.

Group III.—Economics and social science: 1. Political economy and finance; 2. sociology and statistics; 3. social economy.

In his choice of subjects under this Faculty, the candidate whose major subject lies within its jurisdiction is limited by the following rules:

A candidate must select one minor subject outside of the group which includes his major subject.

A candidate for the degree of Doctor of Philosophy must select one minor subject within the group which includes his major subject.

The candidate for the degree of Master of Arts must take, in each subject, courses occupying at least two hours weekly throughout one year. In his major subject he must also attend a Seminar.

The candidate for the degree of Doctor of Philosophy must take, in his major subject, courses occupying at least four hours weekly during each required year of residence (provided that this number of hours be offered in the subject), and must also attend a Seminar during the period of residence. In each minor subject he must take courses occupying at least two hours weekly during each required year of residence.

UNDER THE FACULTY OF PHILOSOPHY

I Major Subjects: 1. Philosophy; 2. psychology; 3. anthropology; 4. education; 5. linguistics; 6. comparative literature; 7. classical archæology and epigraphy; 8. Greek language and literature, and, incidentally, Grecian history; 9. Latin language and literature, and, incidentally, Roman history; and the following, including in each

case the study of both the language and the literature: 10. English; 11. Germanic; 12. Romance; 13. Sanskrit (with Pāli) and Iranian; 14. Semitic; 15. Chinese. Nos. 1, 2, 3, 4, 6, 10, 11, 12, 13, 14, and 15 may any one of them be offered as the equivalent of a major and one minor subject.

II. Minor Subjects: 1. Philosophy; 2. psychology; 3. anthropology; 4. education; 5. linguistics; 6. comparative literature; 7. Greek; 8. Greek archæology; 9. Latin; 10. Roman archæology; 11. Sanskrit; 12. Iranian; 13. English; 14. Anglo-Saxon; 15. Gothic; 16. Germanic philology; 17. German language and literature; 18. Scandinavian languages and literatures; 19. Romance philology; 20. French language and literature; 21. Spanish language and literature; 22. Italian language and literature; 23. Hebrew; 24. Arabic; 25. Assyrian; 26. Syriac; 27. Ethiopic; 28. Semitic epigraphy; 29. Turkish; 30. Armenian; 31. Chinese; 32. Coptic; 33. Celtic; 34. comparative religion.

A candidate for the degree may, with the consent of the Dean of the Faculty, of the heads of the departments concerned, and of the professor in charge of his major subject, select both minor subjects within the same department, and may divide a minor subject, taking parts of two subjects germane to his major subject.

UNDER THE FACULTY OF PURE SCIENCE

1. Anatomy; 2. astronomy; 3. bacteriology; 4. botany; 5. chemistry; 6. civil and sanitary engineering; 7. electrical engineering; 8. geodesy; 9. geology; 10. mathematics; 11. mechanical engineering; 12. mechanics and electro-mechanics; 13. metallurgy; 14. mineralogy; 15. mining; 16. palæontology; 17. physics; 18. physiological chemistry; 19. physiology; 20. zoölogy.

With the consent of the Dean, the major and one minor subject may be taken under one Department. Both minor subjects may not be taken under one Department without the consent of the Faculty.

5. Each student is given a registration-book, that he may keep his own record of courses attended. At the beginning and end of each course the professor in charge certifies the student's attendance by his signature. Before presenting himself for examination for any degree, the student shall submit his registration-book to the Dean of the Faculty in which his major subject lies in order that the Dean may satisfy himself that the required minimum number of courses has been attended.

6. Each candidate for the degree of Master of Arts, is required to present an essay on some topic previously approved by the professor in charge of his major subject. The Faculty of Political Science requires this essay to be a paper read during the year before the Seminar of which the candidate is a member.

When the essay has been approved, the candidate is required to file with the Registrar two legibly written or typewritten copies on firm, strong paper, eleven by eight-and-a-half inches in size with an inner margin of one-and-a-half inches. The title-page shall contain the words: "Submitted in partial fulfilment of the requirements for the Degree of Master of Arts, in the Faculty of ———, Columbia University."

7. Applications for examinations for the degree of Master of Arts must be filed with the Registrar by April 15 of the academic year in which the degree is desired and must be accompanied by the completed essay required for the degree.

Applications for the oral examination for the degree of Doctor of Philosophy must be filed with the Registrar at least three months before one of the three dates at which diplomas are issued (viz., October, February, and June) in order to secure examinations before that date.

8. Each candidate for the degree of Doctor of Philosophy shall present a dissertation embodying the result of original investigation and research on some topic previously approved by the professor in charge of the major subject. When such dissertation has been approved, it shall be printed by the candidate, and one hundred copies shall be delivered to the Registrar unless, for reasons of weight, a smaller number be accepted by the University Council. On the title-page of every such dissertation shall be printed the words: "Submitted in partial fulfilment of the requirements for the Degree of Doctor of Philosophy, in the Faculty of ———, Columbia University."

Each dissertation shall contain upon its title-page the full name of the author; the full title of the dissertation; the year of imprint, and, if a reprint, the title, volume, and pagination of the publication from which it was reprinted; and there shall be printed and appended to each dissertation a statement of the educational institutions that the author has attended, and a list of the degrees and honors conferred upon him, as well as the titles of his previous publications.

9. No candidate for the degree of Doctor of Philosophy is admitted to examination except on the recommendation of the professor who has approved the topic selected for the dissertation, indorsed by the professors in charge of the major and minor subjects. Every candidate must pass, besides such other examinations as the Faculty in charge of the major subject may require, an oral examination on all three subjects, and must defend the dissertation in the presence of that Faculty, or of so many of its members as may desire or as may be designated to attend.

In the Faculty of Political Science, the examination on the major and minor subjects and on languages, but not on the dissertation itself, may be held before the printed dissertation is submitted.

In the Faculties of Philosophy and Pure Science, the disserta-

tion is not required to be printed until after the examination of the candidate.

The general examination for the degree of Doctor of Philosophy will not be confined to the courses which the candidate has attended in Columbia University or elsewhere, nor even to the field covered by such courses. The candidate is expected to show a satisfactory grasp of his major subject as a whole and a general acquaintance with the broader field of knowledge of which this subject forms a part.

The ability to read at sight French and German, to be certified in each case by the Dean of the Faculty concerned, is required by all the Faculties.

In the Faculty of Political Science, the candidate must also show that he is able to read ordinary Latin, unless it shall have been previously certified by the professor, or professors, in charge of the major subject that ability to use this language is not necessary for the proper prosecution of the candidate's researches. On application to the Dean, the candidate may be examined on the required languages one year before presenting himself for the general examination on his major and minor subjects. If no such application be made, he will be examined on the languages in connection with the general examination on these subjects.

In the Faculty of Philosophy, admission as a regular student or as a candidate for the degree of Master of Arts does not admit to candidacy for the degree of Doctor of Philosophy. Only those students are admitted to candidacy for the degree of Doctor of Philosophy who (1) are recommended for such candidacy by the heads of the departments in which their major and minor subjects of study lie; (2) are certified as to their ability to read French and German by the heads of those departments; (3) are certified as to their ability to read Latin by the head of that department, provided that students whose major subject is psychology, anthropology, or education, shall not be required to meet this test when it is certified by the professor in charge of their major subject that an ability to read Latin is not necessary for the proper prosecution of their researches. The examinations in Latin, French, and German shall be passed at least one academic year before the candidate presents himself for the degree.

10. Students holding the required first degree who are primarily registered in a professional school of Columbia University, or in an allied professional school, may be registered as candidates for the higher degrees in the Faculty of Political Science, the Faculty of Philosophy, or the Faculty of Pure Science. In such a case the candidate must take his major subject under one of these Faculties, and must conform to all its rules as regards examinations, essay, and dissertation; but he may offer, as the equivalent of the two minor subjects such of his professional courses as may be approved for that purpose

by the Dean of the faculty under which the major subject is taken and by the Committee on Higher Degrees.

11. No student shall continue to be a candidate for the degree of Doctor of Philosophy for a longer period than three years from the time he ceases to be in residence, nor for a longer period than six years from the time of his initial registration for a higher degree.

Master of Laws

1. Any student who has satisfactorily completed 94 points including all prescribed work in Columbia College, or in some other college maintaining an equivalent curriculum (every such case of equivalency to be considered on its own merit), shall be entitled to be recommended for the degree of Master of Laws upon certificates from the Faculty of Law and the Faculty of Political Science that he has satisfactorily completed a four-years' course of study under said Faculties.

2. Every candidate for the degree of Master of Laws must elect from the subjects offered by said Faculties courses aggregating, in the four years, fifty-two hours per week, and must pass satisfactory examinations upon the subjects elected; provided that not more than thirty-four hours of work may be elected either in the field of private law, or in that of public law, social ethics, history, and economics.

3. Students, otherwise qualified, who have received the degree of Bachelor of Laws from this University after pursuing the full course of study, shall be entitled, upon pursuing for an additional year a course of study of at least thirteen hours per week, under either or both of said Faculties, and passing satisfactory examinations therein, to receive the degree of Master of Laws; provided that no student shall receive the degree who has not studied and passed satisfactory examinations in comparative constitutional law, administrative law, Roman law, international law, and in the three courses offered on equity,¹ and who has not pursued here, or elsewhere, courses of instruction satisfactory to the Faculty of Political Science in history, social ethics, and economics.

4. Each Faculty shall determine the order in which the subjects offered by it shall be taken, and the maximum amount of work to be done therein during any one year.

5. Students from other universities, colleges, or law schools, who shall have satisfactorily completed a course of study equivalent to at least one term of thirteen hours per week in the subjects indicated in Section 2, after receiving a bachelor's degree, may be excused from the corresponding number of terms of the four-years' residence required at Columbia, provided that in no case shall any one receive the degree of Master of Laws who has not spent at least four years in the study of

¹ Under this provision students would be allowed, but not required, to take history of European law, conflicts of law, law of municipal corporations, and the law of taxation.

the said subject in some university, college, or law school; and the decision whether work at another institution shall be accepted as equivalent to work at Columbia shall rest, so far as the studies under the Faculty of Law are concerned, with the Faculty of Law, and, so far as the studies under the Faculty of Political Science are concerned, with the Faculty of Political Science. But neither Faculty shall admit a student from another university, college, or law school to examination for the degree of Master of Laws without a residence of at least one year in this University.

COLUMBIA COLLEGE

Officers of the Faculty

J. H. VAN AMRINGE, Ph.D., L.H.D., LL.D.....	<i>Dean and ex-officio Member of the University Council</i>
HENRY BEDINGER MITCHELL, E.E., A.M.....	<i>Secretary</i>
CALVIN THOMAS, LL.D. (Term expires 1910)	} <i>Elected delegates to University Council</i>
GARY N. CALKINS, Ph.D. (Term expires 1911)	

Standing Committees

ON INSTRUCTION: Professors G. R. Carpenter, *chairman*, Kemp, Egbert, Thomas, Calkins, Shotwell, H. B. Mitchell.

ON ADVICE TO STUDENTS (subcommittee of the Committee on Instruction): Professors G. R. Carpenter, *chairman*, Kemp, Woodbridge, Hervey, Shotwell.

ON ADMISSIONS: Professors H. B. Mitchell, *chairman*, McCrea, Odell, Jordan, Beard, Curtis.

ON SCHOLARSHIPS: The Dean, *chairman*, Professors Fiske, Egbert.

ON HONORS: Professors Cohn, *chairman*, Seligman, Peck.

The Faculty

NICHOLAS MURRAY BUTLER, Ph.D., LL.D. (Cantab.), Litt.D. (Oxon.)
President

J. HOWARD VAN AMRINGE, Ph.D., L.H.D., LL.D.....*Professor of Mathematics, and Dean*

TERM
EXPIRES

1911 EDWIN R. A. SELIGMAN, Ph.D., LL.D.....*McVickar Professor of Political Economy*

1910 HARRY T. PECK, Ph.D., L.H.D., LL.D...*Anthon Professor of the Latin Language and Literature*

1909¹ EDWARD DELAVAN PERRY, Ph.D., LL.D.....*Jay Professor of Greek*

1911 WILLIAM A. DUNNING, Ph.D., LL.D.....*Lieber Professor of History and Political Philosophy*

1909 ADOLPHE COHN, LL.B., A.M.....*Professor of the Romance Languages and Literatures*

1909 JAMES F. KEMP, E.M., Sc.D.....*Professor of Geology*

1910 GEORGE R. CARPENTER, D.C.L.....*Professor of Rhetoric and English Composition*

¹ Absent on leave, second half-year.

1911	THOMAS SCOTT FISKE, Ph.D.....	<i>Professor of Mathematics</i>
1909	JAMES C. EGBERT, Ph.D.....	<i>Professor of Latin</i>
1909	CALVIN THOMAS, LL.D....	<i>Gebhard Professor of the Germanic Languages and Literatures</i>
1910	JAMES HULME CANFIELD, LL.D., Litt.D. (Oxon.).....	<i>Librarian of the University</i>
1909	HERBERT GARDINER LORD, A.M.....	<i>Professor of Philosophy</i>
1911	NELSON GLENN MCCREA, Ph.D.....	<i>Professor of Latin</i>
1910	CLARENCE H. YOUNG, Ph.D.....	<i>Professor of Greek</i>
1909	LIVINGSTON FARRAND, A.M., M.D.....	<i>Professor of Anthropology</i>
1910	JAMES MACLAY, C. E., Ph.D.....	<i>Professor of Mathematics</i>
1911	MARSTON T. BOGERT, Ph.B.....	<i>Professor of Organic Chemistry</i>
1909	GEORGE CLINTON DENSMORE ODELL, Ph.D.....	<i>Professor of English</i>
1910 ¹	HENRY ROGERS SEAGER, Ph.D.....	<i>Professor of Political Economy</i>
1910	FREDERICK J. E. WOODBRIDGE, A.M., LL.D....	<i>Johnsonian Professor of Philosophy</i>
1909	GARY N. CALKINS, Ph.D.....	<i>Professor of Protozoology</i>
1911	CASSIUS JACKSON KEYSER, Ph.D....	<i>Adrain Professor of Mathematics</i>
1911	GEORGE L. MEYLAN, A.M., M.D.....	<i>Adjunct Professor of Physical Education</i>
1911	ERNEST F. NICHOLS, M.S., Sc.D....	<i>Professor of Experimental Physics</i>
1909	WILLIAM ADDISON HERVEY, A.M....	<i>Adjunct Professor of the Germanic Languages and Literatures</i>
1909	RUDOLF TOMBO, Jr., Ph.D.....	<i>Adjunct Professor of the Germanic Languages and Literatures</i>
1910 ²	WILLIAM R. SHEPHERD, Ph.D.....	<i>Professor of History</i>
1910	FRANK L. TUFTS, Ph.D.....	<i>Adjunct Professor of Physics</i>
1911	JAMES T. SHOTWELL, Ph.D.....	<i>Professor of History</i>
1910	GEORGE W. BOTSFORD, Ph.D.....	<i>Adjunct Professor of History</i>
1910	ROBERT S. WOODWORTH, Ph.D.....	<i>Adjunct Professor of Psychology</i>
1911	HENRY B. MITCHELL, A.M.....	<i>Professor of Mathematics</i>
1911	DANIEL JORDAN, B.S., Pd.B.....	<i>Adjunct Professor of the Romance Languages and Literatures</i>
1911	JAMES HOWARD MCGREGOR, Ph.D.....	<i>Adjunct Professor of Zoology</i>
1911	CHARLES A. BEARD, Ph.D.....	<i>Adjunct Professor of Politics</i>
1909	CARLTON CLARENCE CURTIS, Ph.D.....	<i>Adjunct Professor of Botany</i>
1909	S. ALFRED MITCHELL, Ph.D.....	<i>Adjunct Professor of Astronomy</i>

ADMISSION

Candidates are admitted by the Committee on Admissions under the following regulations:

Except for reasons of weight, candidates for admission to the Freshman class must be at least fifteen years of age at the time of

¹ Absent on leave, 1908-1909.

² Absent on leave, first half-year.

matriculation, and correspondingly older for admission to advanced standing. Each candidate must before admission present a certificate of good moral character from his last teacher or from some citizen of good standing. Students from other colleges or universities must bring certificates of honorable dismissal.

All requests for information regarding admission should be addressed to the Secretary of the University.

To the Freshman Class

Every candidate must offer at the entrance examinations (see below) subjects amounting to fifteen "units." The unit here represents the number of years, at the rate of five periods a week, which will normally be required in the secondary school to prepare adequately for the college examination.

The candidate *must* offer

	COUNTING IN UNITS
English.....	3
Elementary Mathematics.....	3
and in the case of candidates for the A.B. degree	
Elementary Latin.....	4
or in the case of candidates for the B.S. degree <i>either</i> Ele-	
mentary Latin.....	4
or { Chemistry.....	1
{ Elementary Physics.....	1
{ Intermediate or Advanced subjects.....	2

The candidate may offer any of the following subjects without other restriction than that to offer an advanced subject will involve offering either at the same time or earlier the corresponding elementary subject:

Elementary Greek.....	3
Elementary History.....	1 or 2
Drawing.....	1
Music.....	1
Intermediate French.....	1
Intermediate German.....	1
Advanced English.....	1
Advanced Greek.....	1
Advanced History.....	1
Advanced Latin.....	1
Advanced Mathematics.....	1

 and in the case of candidates for the B.S. degree

 Elementary Latin (See page 176).....4 or 2

The candidate may offer not more than 4 units in all from the four subjects following:

	COUNTING IN UNITS
Elementary French.....	2
Elementary German.....	2
Italian	2
Spanish.....	2

The candidate may offer not more than 3 units in all from the six subjects following:

Elementary Physics.....	1
Chemistry.....	1
Botany.....	1
Physiography.....	1
Shopwork.....	1
Zoölogy.....	1

For full definition of the above requirements and for information regarding the times and places at which entrance examinations are held, regulations regarding division of examinations, examinations outside of New York, application blank, and examination fee, see page 169.

Acceptance of Certificates

Columbia College accepts, in lieu of its entrance examinations, no credentials of any sort except the Regents' College Entrance Diploma (for details see the *Announcement of Columbia College*), the Regents' Academic Diploma, and the certificates of approved colleges, and these only for the subjects which they specifically cover. Certificates of the preparatory or high-school departments of universities and colleges are not accepted.

Candidates must take the regular entrance examinations in the subjects in which their certificates are not deemed adequate.

All certificates so offered must be received by the College Committee on Admissions at least one week before the first day of the entrance examinations.

Advanced Standing

Candidates for admission to advanced standing upon the basis of certificates from other colleges must fill out the appropriate application blank, to be obtained from the Secretary of the University, and file it with the College Committee on Admissions at least one week before the first day of the September or January entrance examinations. Each candidate must also present, at that time, an official transcript of his academic record, together with a marked catalogue of the institution that he leaves.

Candidates for admission to the Freshman class offering for entrance more than the required 15 units receive credit for this extra

work toward a degree, on a basis to be determined by the Committee on Admissions; but not more than 18 of the 124 points required for a degree may be made in this way.

Special Courses

Special courses are offered to young men of good character, at least eighteen years of age, who wish without reference to any degree to make a serious study of any subject or group of subjects. Such men are designated "non-matriculated students," and are expected to fulfil the requirements for admission to the Freshman class (see page 188). Applications must be made, on blanks to be obtained from the Secretary of the University, at least one week before the entrance examinations begin.

Except for reasons of weight no one will be admitted as a special student, who, within ten months of the time of his application, has been refused admission, or has failed in his work, as a candidate for a degree.

Persons who wish to pursue merely elementary subjects, such as may be offered for admission, are not received as non-matriculated students. Such applicants are recommended to consult the *Announcement of Extension Courses*.

Applications from men of maturity who have been several years out of school or college, and have had a valuable educative experience in practical life, will be considered on their merits.

Probation

Every Freshman admitted conditionally will be held under probation during the first half-year of residence. Not later than the end of this period, the Dean, on the basis of reports from the head of each department in which the student is registered, will decide whether he shall be admitted to full standing, have his period of probation extended, or be dropped from the roll. The mark C, B, or A, obtained at the end of the first half-year of residence, will be regarded as removing an entrance condition in any course of higher grade than the entrance requirement in that subject unless the condition was incurred in a part of the subject not directly involved in the work of the college course. Any condition not so removed must be satisfied by formal examination.

Registration and Fees

(See page 34.)

Scholarships

(See p. 424.)

THE PROGRAM OF STUDIES

The time within which a curriculum, leading to the degree of Bachelor of Arts or Bachelor of Science, may be completed varies with the capability and industry of the individual student. In most cases four years are spent in making the required number of points; students of ability and industry sometimes complete the course in less time, especially if advantage be taken of courses in the Summer Session, or additional credit be gained by high standing; but no student may spend more than six years as a candidate for a degree.

The principles of the program of studies are as follows:

1. The requirement for graduation is 124 points, the term "point" signifying the satisfactory completion of work requiring attendance one hour a week for one half-year.

2. Studies are either "prescribed," *i. e.*, obligatory upon all candidates for degrees; or "elective," *i. e.*, to be taken (with certain restrictions) at the pleasure of the student.

3. Prescribed studies must be taken as far as practicable during the first two years of residence; and subjects taken in College which are continuations of subjects offered at entrance must be taken as far as possible in the first year.

4. Other courses than those specified under each half-year may be taken by students qualified to pursue them with advantage, but only with the consent of the Dean on recommendation of the Committee on Instruction.

5. No combination of courses amounting to less than 12 or more than 19 points may be made in any half-year without the consent of the Dean on recommendation of the Committee on Instruction.

6. At least 9 points, exclusive of prescribed work, must be made under some one department before graduation.

7. Admission to courses depends strictly upon completion of the prerequisites as stated for each course separately. In all cases the requirements as to prerequisites for any course must be completed before the beginning of the half-year in which that course is given. Where no prerequisite is stated the course may be taken and counted for a degree by any student of the College.

8. Attention is called to the regulation that courses numbered above 100 are open to those students only who have completed 64 points in college residence, including all prescribed work, except Philosophy A and two half-year courses in Science (other than Chemistry A and Physics A and 9).

9. To be recommended for a degree, a student must have made at least 84 points in actual college residence, and of these at least 24 in Columbia College. (The Faculty has power to suspend this rule in individual cases; but a Statute of the University forbids the granting

of a degree to any person who has not been a member of the University for a full academic year, *i. e.*, two half-years.)

Prescribed Courses

Unless the equivalents have been offered for admission, the following courses are prescribed:

	COUNTING IN POINTS
English A and B	10
French A and B, <i>or</i> German A and B	12
History A ¹	6
Latin A <i>or</i> Greek 3-4 (required only of candidates for A.B. degree)	6
Mathematics A	6
Philosophy A	6
Physical Education A and B	4
Natural Science A (elementary Chemistry and ele- mentary Physics)	8
Botany, Chemistry, Geology, Physics, Psychology (Experimental), or Zoology: two half-year courses (required of candidates for A.B. degree) ..	6
Anthropology, Astronomy, Botany, Chemistry, Geol- ogy (including Mineralogy), Mathematics, Mechan- ics, Physics, Psychology, or Zoology: four half-year courses in one or more of these subjects, in all (required only of candidates for B.S. degree)	12

Options in the Professional Schools

The following provisions apply alike to all candidates for a degree:

1. When 72 points (including all prescribed work) have been made in Columbia College, a student who wishes to enter upon his professional studies before graduation from the College may exercise one of the following options:

- (a) He may take the studies of the first year of the Schools of Mines, Engineering, and Chemistry (unless he is able to gain advanced standing in one of those schools), provided the courses previously taken by him fulfil the requirements for admission to those schools; and may receive the degree of A.B. or B.S. upon the satisfactory completion of two years' work in a professional course.

¹ Students who pass the entrance examinations in ancient, mediæval, and modern history will be allowed to take a special examination on the same periods based on the requirements of History A1-A2. If they satisfy this test, they will be permitted to substitute for History A1-A2, as the prescribed work, any course in history numbered less than 100, provided that the total number of points of credit attached to the course be not less than six.

(b) He may take the studies of the First Year of the College of Physicians and Surgeons, provided he has previously taken in college at least one course in Chemistry, one in Physics, and one in Zoölogy; and may receive the degree of A.B. or B.S. upon the satisfactory completion of two years' work in this professional course.

(c) He may take the studies of the First Year in the School of Fine Arts, provided the courses previously taken by him fulfil the requirements for admission to that school; and may receive the degree of A.B. or B.S. upon the satisfactory completion of two years' work in a professional course.

2. When 94 points (including all prescribed work) have been made, and of these not less than 72 in Columbia College, a student who wishes to enter upon his professional studies before graduation from the College may exercise one of the following options:

(a) He may take the studies of the First Year of the School of Law; and may receive the degree of A.B. or B.S. upon the satisfactory completion of one year's work in this professional course.

(b) He may become a candidate for a diploma in teaching offered by the Faculty of Teachers College, in which case he must register therefor in Teachers College and become subject to the educational control of its faculty. Upon the satisfactory completion of one year's work in this professional course he will receive the degree of A.B. or B.S.

For particulars as to these several options the announcement of the proper professional school should be consulted.

A student who exercises any one of the options here mentioned continues to be a student of Columbia College and subject to the authority of its Dean, as long as he remains a candidate for the College degree.

Additional Credit for High Standing

At the end of every half-year additional credit for high standing is given as follows:

The mark A in any two courses (no course being counted twice) entitles the student to one point of extra credit, provided he has not fallen below the mark B in any of the courses pursued by him during the half-year.

Any student who is credited with 94 points (including all prescribed work) may receive one point of extra credit for each of two courses chosen from among those offered by any single department as counting toward a higher degree (see page 179), provided the quality of his work in such course be tested by an essay for which a mark of A or B is given, in addition to the stated examinations. No student may receive more than one point of extra credit in one half-year under the terms of this rule.

Choice of Electives

For recommendations in regard to the choice of elective studies, the reader is referred to the *Announcement of Columbia College* for 1908-09.

Examinations in Course

Two examinations are held every year in all courses, one beginning on the last Wednesday but one of the first half-year (January 20, 1909), and the other on the Monday of the second week preceding Commencement (May 17, 1909). These, and these only, are the *stated examinations*.

No student who has been absent from more than ten per cent. of the exercises in any course during a single half-year is entitled to attend the stated examination in that course. Each instance of tardiness is counted as half an absence. Attendance begins with the first meeting of the course.

Should a student not exceed the limit of absence allowed, no explanation of any of his absences is required: should he exceed the limit allowed in any course, he is debarred from the stated examination in that course, and can attend it only by permission of the Dean, on the recommendation of the Committee on Instruction, given after written explanation of every absence.

Every student is expected and required to keep an account of his absences, and any satisfactory explanation of them must be from records made at the times of their occurrence, and for dates noted by the student himself and not obtained by him from the instructor in charge.

For the regulations as to the taking of special examinations, which include delinquent examinations, see the separately printed *Announcement of Columbia College* for 1908-09.

Grades and Credit

A student who receives a mark of F in any prescribed course must repeat that course. A student who receives a mark of F in any course not prescribed may present himself for re-examination at the stated time but on passing such examination he may receive only a mark of D. In either case, however, if the mark of F was given by reason of absence from examination resulting from illness or other unavoidable cause, he may be examined by permission of the Dean, on the recommendation of the Committee on Instruction, and marked as though he had attended the regular examination.

In any half-year not more than one course, whether prescribed or elective, in which the student is marked D, may be counted toward a

degree. Of several courses in which he is marked D he may choose the one to be so counted.

Advice to Students

Each student is on entrance assigned to an officer of instruction, who continues as his adviser throughout his college course or so long as his studies are mainly collegiate in character. It is the duty of the adviser to pass upon the choice of studies of each student under his charge, to keep himself informed as to the standing of all such students in their college work and as to the extent and character of their participation in extra-curricular activities, and to advise students on all these and other matters that concern them as students. Each student will meet his adviser at least twice each month during the academic year.

HONORS

Honors are of three kinds: departmental, divisional, and general.

Departmental honors will be granted in any year in any department for high excellence, indicated by the grade A obtained in courses aggregating at least twelve points, and by the satisfactory performance of additional assigned work. Students must **Departmental** announce their candidacy to the head of the department not later than the first of April of the year of candidacy.

Except by special decision of the Committee on Honors, no student falling below C in any course taken by him during the year of candidacy will receive honors.

A student who has won honors in any department successively during the last three years of his college residence will be granted at graduation highest final honors in that department.

On completion of the number of points required for a degree students whose curriculum has been under the direction of some one division may be recommended to the Faculty by that division for final honors in such subjects as the division may specify.

General honors will be granted at the end of every academic year to all students who during that year have obtained grade A in the majority of the courses taken by them, provided they **General** have not fallen below grade B in any course in that year.

Highest final general honors will be granted at graduation to all students who have obtained grade A in the majority of the courses taken by them during the last three years of college residence, provided they have not fallen below grade B in any course in those years.

REGISTER OF STUDENTS

Columbia College

Candidates for Graduation in

1909

ALEXANDER, ARTHUR DOUGLAS.....	New York City
AMIDON, DAVID EUGENE.....	Corry, Pa.
ANDREWS, WILLIAM ALMON.....	Elba, N. Y.
APPEL, ALEXANDER.....	New York City
ARMSTRONG, DONALD.....	New York City
BARBER, WILLIAM HOWARD.....	New York City
BAUM, ALBERT LOUIS.....	New York City
BISSELL, PELHAM ST. GEORGE, JR.....	Freeport, N. Y.
BLANCHET, JOHN LEON.....	New York City
BLINN, OSCAR SAMUEL.....	New York City
BRAINERD, HARRY BEARDSLEE.....	New York City
BRECK, WILLIAM ROGERS.....	New York City
BREITENFELD, EMIL.....	New York City
BROWN, LOUIS ALEXANDER.....	New York City
BROWN, WILLIAM HORI, JR.....	New York City
CARROLL, CHARLES RIVERS.....	New York City
CHANALIS, MICHAEL NELSON.....	New York City
CHAPIN, FRANCIS STUART.....	Rochester, N. Y.
CHILD, ANDREW M., JR.....	New York City
COBB, JAMES LIVINGSTON.....	New York City
COHN, IRA.....	New York City
COHN-McMASTER, ALBERT MARION.....	New York City
COLEMAN, McALISTER.....	New York City
COMPTON, GEORGE BROKAW.....	Interlaken, N. Y.
CONTENT, HAROLD AUGUSTUS.....	New York City
COPELAND, RALPH.....	New York City
CRiado, ROGER F.....	New York City
DEACY, WILLIAM HENRY, JR.....	Ossining, N. Y.
DWYER, CHARLES EUSTACE.....	New York City
EPSTEIN, LEWIS.....	New York City
FLOWER, HERBERT JAMES.....	Passaic, N. J.
FORTINASH, PASCAL JOSEPH.....	New York City
FOWLER, ROBERT LUDLOW, JR.....	New York City
FRASER, LEON.....	New York City
GIBSON, LEON WELLS.....	Newark, N. J.
GOLDEN, HERMAN.....	New York City
GOLDSTEIN, RAY ABNER.....	Dallas, Texas
GOODWIN, GEORGE MUNRO.....	New York City
GRANT, EDWARD JOHN.....	New York City
GRIFFIN, PERCY FRANK.....	New York City
GUTMAN, MELVIN.....	New York City
HAHN, RUDOLF.....	Cornwall, N. Y.
HALSEY, RAYMOND DRAKE.....	Southampton, N. Y.

HANRAHAN, JOHN GEORGE, JR.	New York City
HANSON, GEORGE CHRISTOPHER	New York City
HEARD, WALTER SCOTT	New Orleans, La.
HERSHENSTEIN, CHARLES	Jersey City, N. J.
HERTS, HAROLD HENRY	New York City
KATZ, EDGAR JESSE	New York City
KAYSER, CARL EBERHARD	New York City
KELLY, EUGENE EDMUND	New York City
KENNEDY, CHARLES FREDERIC	New York City
KIMBEL, WILLIAM A.	New York City
KISTLER, LLOYD GREGORY	New York City
KUDLICH, BRUNO RALPH	New York City
LATHAM, HAROLD STRONG	Arlington, N. J.
LEARY, DANIEL, JR.	New York City
LEVINE, OSCAR	New York City
LEVINTHAL, ISRAEL HERBERT	New York City
LIEBOVITZ, SIDNEY	New York City
LIPPMANN, HERBERT MARKS	New York City
LODER, GEORGE EDWARD	Portchester, N. Y.
LOVEMAN, MICHAEL HEILPRIN	New York City
LÜHRS, IMMANUEL	Jersey City, N. J.
MCCOWN, FREDERICK HEWLETT	New York City
MACKENZIE, JAMES C.	Dobbs Ferry, N. Y.
MARCUS, CHARLES LIONEL	New York City
MEHLER, LEO	New York City
MELITZER, SAMUEL	New York City
MELVILLE, JOHN WARD	New York City
MILLER, CHRISTOPHER BLACKBURN	New York City
MORGAN, THOMAS C.	New York City
MORGAN, WENDELL RODERICK	Oneonta, N. Y.
MOSES, ALFRED STAUNTON	New York City
MOSS, ARTHUR BRUCE	New York City
MOTT, JAMES WHEATON	Salem, Oregon
MURRAY, THEODORE R.	New York City
NAMMACK, CHARLES HALPIN	New York City
NIGHMAN, CLARE EDWIN	Bayonne, N. J.
NORDEN, NORRIS LINDSAY	New York City
NYE, BERTHOLD HINTZ	Yonkers, N. Y.
OAKLEY, THOMAS POLLOCK	Northport, N. Y.
OGDEN, ALFRED	New York City
PAUL, WINSTON ALEXANDER	Jersey City, N. J.
PELL, WILLIAM HENRY DANNAT	New York City
PEYSER, HERBERT F.	New York City
PRICE, HICKMAN	Seattle, Wash.
ROLLINS, WALTER EVERETT	Minneapolis, Minn.
ROME, JAMES P.	New York City
ROTHSCHILD, LEOPOLD O.	New York City
ROUX, WILLIAM C.	New York City
ROY, MALCOLM MILLER	Irvington-on-Hudson, N. Y.
SAGE, TRUMAN BARTLETT	East Haven, Conn.
SALZANO, FRANCIS	New York City
SANDERS, BENTON	New York City
SCHAUL, JEROME SANDEL	New York City
SCHERMERHORN, AMOS COTTING	New York City
SCHIFFER, JACK WALTER	New York City
SCHMID, ALFRED	New York City

SCHULTZ, HAROLD SEELY.....	Florida, N. Y.
SELLEW, WELLES HAMILTON.....	New York City
SKINNER, HERBERT CALVIN.....	New York City
SMITH, MARTIN DeFOREST.....	Kingston, N. Y.
SMYTHE, RICHARD HAVILAND.....	New York City
STEINMETZ, FREDERICK CHARLES.....	New York City
STEPHENSON, ROBERT.....	New York City
STREETER, DANIEL DENISON, JR.....	New York City
TAYLOR, HAROLD WILLIAMS.....	New York City
TRIPP, W. ARTHUR.....	New York City
TURPIN, ALBERT ERNEST.....	New York City
TUTHILL, BURNET CORWIN.....	New York City
WARDELL, WINFIELD SCOTT, JR.....	Orange, N. J.
WATSON, MORGAN DIX.....	New York City
WEEKS, WEBB WILLIAM.....	Corry, Pa.
WEINSTEIN, DAVID.....	New York City
WERNER, OSCAR VICTOR.....	New York City
WIEHLE, ALVIN LOUIS VIRGIL.....	Wiehle, Va.
WILLIS, BENJAMIN ALBERTSON.....	New York City
ZACCARA, ANTONIO.....	New York City

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ADLMAN, SIDNEY.....	Paterson, N. J.
ANGELL, NORMAN HOAG.....	Adrian, Mich.
ASCHNER, PAUL WILLIAM.....	New York City
AVERY, WALTER.....	New York City
BANGS, FRANCIS NATHAN.....	New York City
BARNUM, RAY FORSTER.....	White Plains, N. Y.
BAROFF, ABRAHAM.....	New York City
BELINKOFF, SAMUEL.....	Bayonne, N. J.
BERNSTEIN, BENJAMIN.....	Rochester, N. Y.
BISHOP, FRANK WARNER.....	New York City
BLABER, JOSEPH THOMAS.....	New York City
BLOCK, MAX.....	New York City
BORN, SIDNEY.....	New York City
BRENNER, MORTIMER.....	New York City
BRITTAIN, JOHN B.....	Yonkers, N. Y.
BUCKISCH, WALTER GERARD.....	New York City
CARDOZO, SIDNEY B.....	New York City
CELLER, EMANUEL.....	New York City
CHAPIN, JAMES PAUL.....	New York City
CLARK, CLARENCE MILTON.....	New York City
COHN, JOSEPH H.....	New York City
COHN, SAMUEL MEYER.....	New York City
COOPER, FREDERICK STURGES.....	Mt. Vernon, Ohio
CORTON, WILLIAM ANDREW.....	New York City
CROUZE, ALBERT PIERRE.....	Bayside, N. Y.
CUTLER, CONDUCT WALKER, JR.....	New York City
DANFORTH, CHARLES RYLE.....	New York City
DARLINGTON, HENRY VANE BEARNS.....	Harrisburg, Pa.
DAVIDOWITZ, HARRY SOLOMON.....	New York City
DAVIMOS, HARRY.....	Harrison, N. J.
DOREMUS, MORTON BRINCKERHOFF.....	Mount Vernon, N. Y.
DUNCAN, MCKEE.....	Pelham Manor, N. Y.
ECCLES, AUGUST K.....	New York City

ELDRIDGE, SEBA.....	New York City
ELSASSER, FREDERICK RALPH.....	New York City
ENGLEHART, JEFFREY HELLER.....	New York City
EPSTEIN, ALBERT.....	New York City
EPSTEIN, BERNARD.....	New York City
ERSKINE, ROBERT SCARBOROUGH.....	New York City
FAIRBAIRN, ROBERT LE FEVRE.....	New York City
FERST, LOUIS SAMUEL.....	Harrisburg, Pa.
FISK, DANIEL MOORE.....	New York City
FLEISCHMAN, LEON S.....	New York City
FORCE, JONATHAN, JR.....	Livingston, N. J.
FRERICHs, ERNEST V.....	Tottenville, N. Y.
GARABEDIAN, MIKAEL DER.....	Yonkers, N. Y.
GIBSON, VAN RENSSELAER.....	Yonkers, N. Y.
GIEGERICH, ARTHUR NICHOLAS.....	New York City
GOLDBERG, GEORGE.....	New York City
GOODMAN, SYDNEY LION.....	New York City
GULLIVER, HAROLD GEORGE.....	Portland, Maine
GUNTHER, ARTHUR.....	New York City
HART, NEVILLE BRADFORD.....	New York City
HEALY, THOMAS FRANCIS.....	New York City
HENDERSON, HAROLD GOULD, JR.....	New York City
HILL, DUDLEIGH.....	New York City
HINMAN, EDWARD, JR.....	New York City
HOCHBERGER, OSCAR.....	New York City
HOLZWORTH, JOHN MICHAEL.....	New York City
HUNT, CHARLES WARREN, JR.....	New York City
HÜTTLINGER, CARL F.....	New York City
JOERG, ALFRED NORTON.....	Richmond Hill, N. Y.
JONES, JOHN DOTHAN.....	New York City
KIENDL, THEODORE, JR.....	New York City
KIRBY, RUSSELL THORP.....	New York City
KLEIN, LEONARD K.....	New York City
KLEIN, LEOPOLD.....	New York City
KRAFT, PHILIP, JR.....	New York City
KRONMAN, DAVID EDWARD.....	New York City
LANGER, WILLIAM.....	Casseltown, N. Dak.
LANGMUIR, DEAN.....	Montclair, N. J.
LESSER, MYRON L.....	New York City
LAPOLLA, GARIBALDI MARIO.....	New York City
LAWRENCE, RAYMOND.....	Skaneateles, N. Y.
LEVISON, LUCIAN HARRY.....	New York City
LLOYD, LLEWELLYN.....	Summit, N. J.
LOURIA, ALEXANDER LEON.....	New York City
LYNCH, JOHN JOSEPH.....	New York City
MACCOLL, ROBERT JOHN.....	New York City
MCCONNELL, LUTHER GRAHAM.....	Marshalltown, Iowa
MAHON, ROBERT VINCENT.....	New York City
MARCHMONT, JOHN HAMILTON.....	Alma, Mich.
MELLEN, HENRY LUTHER.....	Middlebury, Vt.
MOITRIER, WILLIAM, JR.....	New York City
MORRIS, ALEXANDER BECHT.....	New York City
MOSES, EUGENE FREDERIC.....	New York City
MULLEN, JAMES HENRY.....	Rensselaer, N. Y.
MURRAY, JOHN ALEXANDER, JR.....	New York City
NAUHEIM, MELVILLE.....	Far Rockaway, N. Y.

NEWMAN, ABRAHAM	New York City
NOBLE, RANSOM	New York City
O'BRIEN, JOHN	New York City
O'CONNELL, JOHN JAMES	New York City
OSBORNE, EARL WILLIAM	New York City
OSTERHOUT, EDGAR HOWARD	Freeport, N. Y.
PADDOCK, LINCOLN	New York City
PADDOCK, ROYCE	New York City
PEARSON, WILLIAM DEFOREST	Waterloo, N. Y.
PFEIFFER, EDWARD HEYMAN	New York City
RAMSDELL, CHARLES HOMER	New York City
RAPP, PAUL LOUIS	New York City
REMSEN, WILLIAM	New York City
RENTON, STANLEY HARNED	New York City
RENWICK, HENRY BREVOORT	Flushing, N. Y.
RINCK, WALTER	Newark, N. J.
ROBINSON, LOUIS HARRY	New York City
ROCKWOOD, NATHANIEL OTIS	Montclair, N. J.
ROEDER, RALPH LECLERCQ	New York City
ROSENTHAL, GEORGE JACOB	New York City
SCHIEB, RICHARD	New York City
SCHLOSSMAN, WILLIAM MAYER	New York City
SCHMELZEL, CLARENCE	New York City
SCHRENKEISEN, FRANK GILLMAN	Mamaroneck, N. Y.
SCHUR, ROBERT PAUL	New York City
SCOTT, GEORGE W. A.	New York City
SEXTON, ANDREW J. GRAHAM	Orange, N. J.
SHAW, HENRY BOOTHROYD	Buffalo, N. Y.
SHAW, JAMES N.	New York City
SHOENFELD, HERBERT FRANK	New York City
SMITH, EDWARD PHILIP	Buffalo, N. Y.
SMITH, GEDDES	Orange, N. J.
SQUIER, CHARLES BURNHAM	New York City
STEEL, JAMES ALEXANDER	Las Cruces, New Mex.
STERNBERG, EDWARD	New York City
STERRITT, JAMES EVERETT	Ossining, N. Y.
STICKLES, LLOYD	Newark, N. J.
STOREY, JNO. ANDREW, JR.	Indianola, Iowa
STORY, HAROLD VAN VREDENBURGER	New York City
SULLIVAN, VINCENT FERRER	New York City
SWANTON, RICHARD LEO	New York City
TANNENBAUM, SAMUEL WM.	New York City
THORNTON, THOMAS T.	New York City
TODD, HAROLD CAMMEYER	Fanwood, N. J.
TOWNSEND, DALLAS SELWYN	Raeford, N. C.
TRUE, ROLAND SCHILLER	New York City
VAN KLEECK, EUGEN	New York City
WARREN, GEORGE HENRY, JR.	New York City
WERNER, PAUL CHARLES	New York City
WHIPPS, WILLIAM OSTERHOUT	Kalispell, Mont.
WILDMAN, HENRY VALENTINE, JR.	New York City
WILE, WALTER	New York City
DE WILTON, ROLLO LINSMORE	Hornell, N. Y.
WOLBARST, ELI SAUL	New York City
WOLFE, CHARLEMAGNE TOWER	Lewisburg, Pa.
YOKEL, ARTHUR	New York City

ZIPRIS, VIRGINIUS VICTOR.....New York City
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ABRAHAMS, ALEXANDER ISIDORE.....New York City
ALTENBURG, EDGAR.....New York City
AXMAN, LAWRENCE H.....New York City
BAKER, HENRY D.....New York City
BARKER, HENRY MORGAN.....Newark, N. J.
BENDER, SIDNEY.....New York City
BENNETT, ROSS VERNON.....New York City
BERKOWITZ, HENRY.....New York City
BIEBER, PAUL D.....New York City
BISHOP, SHELTON HALE.....New York City
BLOCH, HARRY.....New York City
BLUMBORG, ISIDOR B.....New York City
BOAS, ERNST PHILIP.....Grantwood, N. J.
BOWMAN, KENNETH HARKNESS.....Upper Montclair, N. J.
BRAMWELL, GEORGE MOFFAT.....New York City
BRANDT, ROBERT CARL.....New York City
BRAY, LOUIS.....New York City
BROCK, RAYMOND ELLIOTT.....St. Louis, Mo.
BROWN, RAYMOND SHILAND.....Jersey City, N. J.
BROWNELL, MAX.....Saratoga Springs, N. Y.
BRUNO, ALEXANDER.....New York City
CARDOZA, DANFORTH.....New York City
CARUSO, CARMINE WILLIAM.....Newark, N. J.
CASTELL, GEORGE OLIVER.....New York City
CHILDS, STERRY HUNT.....New York City
COLTON, RAYMOND.....New Rochelle, N. Y.
CORELLO, LEONARD.....New York City
DAVIDOW, LEONARD H.....New York City
DEGAYRE, MARTIN LOUIS.....Newark, N. J.
DEPEW, PIERRE, HOWELL.....Nyack, N. Y.
DORR, WILLIAM CASPAR.....New York City
DWYER, GEOFFREY JAMES.....New York City
EGBERT, GEORGE PENNINGTON.....New York City
EICHMANN, MEYER.....West Hoboken, N. J.
EIMER, CARL BERNARD.....New York City
ERNST, MONTROSE.....New York City
FAAS, CHARLES THORNE.....Great Neck, N. Y.
FELBEL, FRANK JULIUS.....New York City
FERRARA, JOSEPH.....Red Bank, N. J.
FERREIRA, AVELINO V.....Hackensack, N. J.
FLOWER, ALFRED RUSSELL.....Passaic, N. J.
FOX, DIXON RYAN.....Potsdam, N. Y.
FRANK, MAX.....New York City
FREEDMAN, ISRAEL.....New York City
GALVIN, WILLIAM AUSTIN.....New York City
GALVIN, WILLIAM J.....Oswego, N. Y.
GANS, LEONARD G.....New York City
GATCH, NELSON BURNES.....St. Louis, Mo.
GERSTEIN, SAMUEL RALPH.....New York City
GILDERSLEEVE, NELSON BURROUGHS.....New York City
GINSBERG, ISMAR.....New York City
GOLDSMITH, IRVING EDWARD.....New York City

GOLDSTEIN, HERBERT C.	New York City
GRAFF, CHARLES ROBERT	New York City
GRASSI, WALDEMAR	New York City
GRILL, ABRAHAM MAURICE	New York City
GROSSBAUM, LOUIS	New York City
HABER, ISADOR	West Hoboken, N. J.
HAMBURGER, PERCY JULIUS	New York City
HANDELSMAN, SAMUEL	New York City
HARRIS, DAVID BENJAMIN	New York City
HARTUNG, ERNEST WILLIAM	New York City
HASTINGS, WM. HENRY, JR.	New York City
HAYS, LELAND	Albany, N. Y.
HEDGES, JAMES SYLVESTER	Allenhurst, N. J.
HEYDECKER, WAYNE DARLINGTON	Mt. Vernon, N. Y.
HILL, JOHN WARREN	New York City
HOLBROOK, NEWBERRY	New York City
HUDSON, CHARLES ALLEN	Westbury, N. Y.
HYMAN, JOSEPH	New York City
JACOBSEN, RAPHAEL	Havana, Cuba
KETCHUM, ROLAND STUART	New York City
KINNEY, WARREN	Butler, N. J.
KLINGENSTEIN, JOSEPH	New York City
KORN, SAMUEL SEYMOUR	New York City
KLUGISCHEID, RICHARD CHARLES	New York City
KOENIG, LEO	New York City
KRINSKY, MAX LOUIS	New York City
KUHN, SAMUEL OPPENHEIM	New York City
KUNSTLER, MONROE B.	New York City
LASHER, DUNCAN MACMILLAN	Yonkers, N. Y.
LEE, WILLIAM MURRAY	New York City
LEVY, LOUIS M.	New York City
LIEBLER, HAROLD BAXTER	Riverside, Conn.
LOBECK, ARMIN KOHL	Haworth, N. J.
LUHMAN, CHESTER	New Rochelle, N. Y.
MACROSSIE, WILLIAM	New York City
MACKENZIE, EDWARD HEMOND	Glen Sprey, N. Y.
MACKINTOSH, JAMES HANDFORTH	New York City
MAGUIRE, CEDRIC FERRIS	New York City
MARCUS, BERNARD KENT	New York City
MARSHALL, GEORGE MILROY	Elmhurst, N. Y.
MAYERS, LAWRENCE SEYMOUR	New York City
MEISEL, CHARLES J. W.	New York City
MINOR, JAMES HENRY	Plainville, Conn.
MORALES, EUSEBIO A., JR.	Freeport, N. Y.
MULLER, HERMANN JOSEPH	New York City
NEALEY, JAMES BARTON	Bangor, Maine
NEWHOUSE, EDGAR L., JR.	New York City
O'CONNELL, EUGENE ROSMORE	New York City
OFFNER, RICHARD	New York City
PICARD, MAURICE	New York City
PITTARO, JOHN MICHAEL	New York City
RADE, HENRY S.	New York City
RENSHAW, ALFRED	New York City
RIEGEL, GUY HUGHES	Lebanon, Pa.
RINGWALT, JOSEPH GARNEAU	Omaha, Nebraska
ROCHE, ERNEST SPENCER	New York City

ROCHE, JOHN PIERRE.....	Chicago, Ill.
ROSS, WILLIAM NEELY.....	Troy, N. Y.
RUNGE, OTTO E.....	New York City
VON SAAL, RUDOLPH ERNEST.....	New York City
SALSBURY, NATHAN.....	New York City
SCHLESINGER, GABRIEL.....	New York City
SCHMIDT, ARNOLD M.....	New York City
SESSLER, MARCEL KLEINERT.....	New York City
SHIRLEY, AMOS REGINALD.....	New York City
SLUTZKY, HENRY.....	New York City
SPENCER, FREDERICK BURR.....	New York City
SPRINGER, PINCUS M.....	New York City
STEINEMANN, ROBERT.....	New York City
STEPHENS, RICHMOND.....	Staten Island, N. Y.
STEPHENS, STEPHEN DOVER, JR.....	New York City
STEWART, RALPH RANGLES.....	New York City
STONE, EDWIN WADSWORTH.....	New York City
STRASBURGER, SAMUEL MYER.....	Long Branch, N. J.
TIMMONS, JUDSON.....	Texline, Texas
TOOKER, HAROLD CLIFTON.....	Larchmont, N. Y.
UNGAR, GEORGE FISHER.....	New York City
VAN TINE, HAROLD.....	New York City
WEBBER, WILLIAM THOMAS.....	New York City
WHEELER, IRWIN.....	New Brunswick, N. J.
WHITLOCK, BACHE M. E.....	New York City
WINDERMAN, SAMUEL DANIEL.....	New York City
ZIEGLER, WINFRED HAMLIN.....	Detroit, Mich.

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ADELSTEIN, MICHAEL.....	New York City
DE AGÜERO, MIGUEL EDUARDO, JR.....	New York City
AHEARN, THOMAS JAMES, JR.....	New York City
AHEARN, WILLIAM DANIEL.....	New York City
ALEXANDER, HOWARD ROSS.....	New York City
ALEXANDER, ROBERT J.....	New York City
ALKEMEYER, EDWARD HERBERT.....	New York City
ANDERSON, HERBERT HAMPTON.....	New York City
ARMSTRONG, FRANCIS TUTTLE.....	New York City
ARMSTRONG, STEPHEN ARTHUR.....	New York City
ATKINSON, GEOFFREY.....	New York City
BAKER, WALTER E.....	New York City
BASCH, ARTHUR.....	New York City
BOAS, PERCY EMANUEL.....	New York City
BOSCH, ERNEST.....	New York City
BOUILLON, JOHN HILARY.....	New York City
BOUTON, RICHARD MEADE.....	Jersey City, N. J.
BRENNER, ARTHUR BEARNS.....	New York City
BRILL, ISIDOR C.....	Portland, Oregon
BRODERICK, EDWARD VINCENT.....	Yonkers, N. Y.
BRUMMER, HAROLD MAX.....	New York City
BULLWINKEL, EDWARD T.....	New York City
CALAHAN, HAROLD AUGUSTIN.....	New York City
CARRUTH, HARRISON PALMER.....	New York City
CLYNE, HERBERT HOMER.....	New York City
COFFIN, LEWIS AUGUSTUS, JR.....	New York City

COHEN, HARRY HOLZMAN	New York City
COHEN, SIMEON	New York City
CONWAY, JOSEPH	New York City
CULMAN, FRITZ	New York City
CUSHING, ROBERT A.	New Orleans, La.
DAVIDSON, ISIDORE MOYER	Passaic, N. J.
DONNELLY, ALFRED EUGENE	Housatonic, Mass.
DOWNING, GEORGE S.	Albany, N. Y.
DREISBACH, PAUL WILLIAM	Weehawken, N. J.
DUCK, SIDNEY OLIVER	New York City
EBBLING, WILLIAM BRUN	New York City
EDMUNDS, FRANCIS DUDLEY	New York City
ELSASSER, HENRY WOLFGANG	New York City
EPSTEIN, LOUIS	Chicago, Ill.
FAIRBAIRN, RUSSELL ARNOLD	New York City
FENLAYSON, FRANK LATHROP	New York City
FISHER, EDWARD EUGENE	Aurora, Ill.
FORD, RUSSELL HEWS	White Plains, N. Y.
FORSTER, WILLIAM WASHINGTON	Yonkers, N. Y.
FRANK, LAWRENCE KELSO	New York City
FREED, SAMUEL ISRAEL	New York City
FURSTENWALDE, HENRY CURT	New York City
GEER, FRANCIS HUNT	New York City
GERSTLÉ, HENRY SAMUEL	New York City
GLADSTONE, JULES	New York City
GLUCK, EDWIN LAWRENCE	New York City
GRAY, WILLIAM ALEXANDER	New York City
GRIMM, ALFRED JOHN	New York City
GRISCOM, LUDLOW	New York City
GRUNOW, WILLIAM RONALD	Bridgeport, Conn.
HALENBECK, ARTHUR ELMORE	Hoboken, N. J.
HALL, FRANCIS CHAUNCEY	New York City
HARRIS, ROBERT WILLIAM	Flushing, N. Y.
HERRLICH, WILLIAM LOUIS	New York City
HEULE, JAMES HENRY	New York City
HICKS, CLARENCE JOHN, JR.	White Plains, N. Y.
HILDENBRAND, JOHN, JR.	New York City
HILL, MORTIMORE FRANCIS	New York City
HIRSCH, MELVIN M.	New York City
IAASON, ALFRED HERBERT	New York City
INGALLS, FREDERICK WILSON	New York City
INGALLS, ROSCOE CUNNINGHAM	New York City
IORIO, EMILE FILIBERTO	New York City
ISELL, ORRIN CASTLE	New York City
JACOBSON, M. WALTER	New York City
JACQUES, HENRI CASIMIR	New York City
JACKSON, SAMUEL LIPSTADT	New York City
JÄGENDORF, MAURICE ARTHUR	New York City
KELLY, DANIEL JAMES	Waterloo, N. Y.
KEMP, JAMES TAYLOR	New York City
KETCHUM, FREDERICK LE GRAND	New York City
KNOPF, ALFRED ABRAHAM	Lawrence, N. Y.
KOENIG, EDWARD HARRY	New York City
KOENIG, EGMONT LOUIS FRANCIS	New York City
KOPLOPP, NICHOLAS	New York City
KOPP, LOUIS CARL, JR.	New York City

LEVINE, MAURICE.....	New York City
LEVINSON, SAMUEL JOSHUA.....	New York City
LEVY, JOSEPH.....	New York City
LIFF, JOSEPH.....	New York City
LIPARI, ANGELO.....	New York City
LOBSENZ, HARRY LEON.....	New York City
LOEHL, ANDREW WILLIAM.....	New York City
LOVELL, RALPH EDWARD.....	Hackensack, N. J.
LOWENSTEIN, ABRAHAM GABRIEL.....	New York City
LUNN, ROBERT, JR.....	Jersey City, N. J.
MCCATCHY, CARLOS K.....	Sacramento, Cal.
MACKENZIE, RICHARD.....	Dobbs Ferry, N. Y.
MACMAHON, ARTHUR WHITTIER.....	Rutherford, N. J.
MALLORY, VIRGIL S.....	New Durham, N. J.
MALONEY, JAMES MATHEW.....	New York City
MARTIN, ALDEN KARL.....	Reno, Nevada
MAURER, GEORGE LANE.....	Yonkers, N. Y.
MAURICE, STEWART.....	Mamaroneck, N. Y.
MEI, HUA CHUEN.....	New York City
MOORE, ALEXANDER PARKS.....	Astoria, N. Y.
NIGRIN, JAROSLAV VICTOR.....	New York City
NORTHROP, JOHN HOWARD.....	Yonkers, N. Y.
O'SULLIVAN, THOMAS FRANCIS.....	New York City
PADDOCK, EUGENE HIRAM, JR.....	New York City
PARDEE, IRVING HOTCHKISS.....	New York City
PARSONS, JAMES OTIS.....	Gouverneur, N. Y.
PASCARELLA, FRANK.....	Etna, N. J.
PATON, THOMAS BUGARD, JR.....	New York City
PETERS, ANDREW, JR.....	New York City
PORTER, FITZ JOHN.....	New York City
PROX, CLAU CARL HERRMANN.....	New York City
PULLEYN, JOHN WILLIAM.....	New York City
PYNE, WARNER CHARLES.....	New York City
REUTTER, CHARLES ERNEST.....	New York City
REYNOLDS, RUSSELL SEAMAN.....	New York City
ROBINSON, HENRY ALVORD.....	Yonkers, N. Y.
ROGERS, HARRY WARREN.....	Matteawan, N. Y.
ROOT, WILLIAM RAYMOND.....	New York City
ROSE, ALBERT ANSON.....	Syracuse, N. Y.
ROSEFF, ALEXANDER.....	Mamaroneck, N. Y.
ROTHWELL, VINCENT H.....	New York City
RUBINO, GABRIEL.....	New York City
SANDERS, THEODORE M.....	New York City
SAPINSKY, LEE.....	New Albany, Ind.
SAPIRO, DAVID.....	New York City
SCHIEL, WALTER EDWARD.....	Deer Park, N. Y.
SCHOLZ, FREDERICK WILLIAM.....	New York City
SCHWARTZ, EDWARD EDWIN.....	New York City
SEATON, THOMAS P.....	Richfield Springs, N. Y.
SHATERIAN, WILLIAM SHADRACH.....	Jersey City, N. J.
SHEARS, LAMBERT ARMOUR.....	New York City
SHREWSBURY, WILLIAM ERNEST.....	New York City
SIPP, ALBERT LEON.....	New York City
SMALE, WILLIAM PHILIP, JR.....	New York City
SMITH, ALLAN HAMILTON.....	Kingston, N. Y.
SMITH, AUGUSTUS CARLL, JR.....	Babylon, N. Y.

SMITH, WESLEY LOTT.....	Baldwin, N. Y.
SNEVILY, ROBERT ST. CLAIR.....	New York City
SPENCER, EDWIN BREWSTER.....	Cornwall, N. Y.
SPRINGER, ALLAN PAUL.....	New York City
STEARNS, WILBUR WATKINS.....	Yonkers, N. Y.
STEINFELD, SAMUEL.....	New York City
STIEFEL, WALTHER ALBERT.....	South Orange, N. J.
STRANG, BENJAMIN B.....	New York City
STRAUSS, IRWIN DERKHAM.....	Holyoke, Mass.
STURTEVANT, ALFRED HENRY, JR.....	Kushla, Ala.
SWAZEY, EDWARD SCOTT.....	San Antonio, Texas
THURLOW, LEWIS KELMOND, JR.....	New York City
TOWNSEND, HENRY HAROLD.....	Keokuk, Iowa
TREADWELL, EDWARD W.....	Flushing, N. Y.
VAN DYCK, VEDDER.....	Bayonne, N. J.
VOGEL, JOSEPH.....	New York City
WATERBURY, CHARLES HAROLD.....	Mamaroneck, N. Y.
WEEKS, WILLIAM CORNELL.....	Huntington, N. Y.
WEINER, STANLEY FELIX.....	New York City
WEIS, WALTER MOSES.....	New York City
WELCH, WALTER.....	Scarsdale, N. Y.
WELLING, WILLIAM BRENTON.....	New York City
YATES, MILES M. LOWELL.....	Ilion, N. Y.
YOUNG, JAMES NICHOLAS.....	San Marcos, Texas
YOUNG, RALPH HOWARD.....	Newport, R. I.
ZIGROSSER, CARL DANIEL.....	Newark, N. J.
ZOLLER, HAROLD PINDAR.....	New York City
ZUKERMAN, DAVID.....	New York City

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NON-MATRICULATED STUDENTS

ALLEN, SEYMOUR INGERSOLL.....	Poughkeepsie, N. Y.
APPLEBY, JAMES RANDOLPH.....	Leonia, N. J.
BABBITT, JOSEPH WOODMAN.....	Newark, N. J.
BEIRNE, WILLIAM BRYAN PETER TOWNER.....	New York City
BELL, THOMAS PORTER.....	Denver, Colo.
BERTRAND, HERBERT.....	Mount Arlington, N. J.
BUDINICH, JOHN.....	Coquimbo, Chile
CAMPBELL, DAVID SHONTS.....	Chicago, Ill.
CHILDS, HAROLD FARNSWORTH.....	New York City
COLTON, JOHN.....	Yokohama, Japan
CRANDALL, LEE SAUNDERS.....	New York City
CRITTENDEN, BUTLER PARNELL.....	Rochester, N. Y.
DREW, ARTHUR LESLIE.....	New York City
DUNHAM, HORACE G.....	New York City
DURKIN, EDMUND LAWRENCE.....	Spokane, Wash.
EISEMAN, BENJAMIN.....	New York City
GALLAWAY, WILLIAM ERVING.....	New York City
GATES, WILTON J.....	New York City
GAUTIER, CHARLES EDWARD.....	New York City
GOFF, HAROLD.....	West Jordan, Utah
GOULD, JAY.....	New York City
HALAMKA, LeROY MARSON.....	New York City
HARKEY, GEORGE TOWNSEND.....	New York City
HARRINGTON, WALTON GEORGE.....	New York City
HOTCHKISS, RAYMOND BELL.....	New York City

HUNT, RIDGELY, JR.	New York City
INGLIS, JAMES	Newark, N. J.
JACKSON, JAMES MITCHELL	Dublin, Texas
KEATOR, BEVERLY	New York City
KEIL, GUNTER	Flushing, N. Y.
LANGSTAFF, JOHN BRETT	New York City
MARCUS, DONALD DAVID	Tallahassee, Fla.
MAUL, WILLIAM F.	New York City
MILLER, SAMUEL HARLAN	Cleveland, Ohio
MOONEY, JAMES FRANCIS	Springfield, Mass.
MONHEIMER, MELVILLE	Seattle, Wash.
MORDAUNT, EDWARD JAMES	New York City
MORSE, FREDERICK EDWARD	New York City
NIETO, AUGUSTIN	Bogota, Colombia, So. Amer.
NIETO, LOUIS E.	Bogota, Colombia, So. Amer.
NOYES, JULIUS WENTWORTH	New York City
ODELL, BENJAMIN BRYANT	Newburgh, N. Y.
O'DONNELL, HERBERT	Hackettstown, N. J.
ORR, WILLIAM C., JR.	New York City
PALMER, ROGER STERNE	New York City
PITTS, ALFRED LEIGH	New York City
RETHY, JOSEPH BERNARD	New York City
ROBBINS, JAMES BULGER	Babylon, N. Y.
ROSENBLÜTH, MILTON BENJAMIN	New York City
ROTHWELL, AUSTIN SHERWOOD	New York City
ROYSTER, F. S.	Norfolk, Va.
SEARS, JOSEPH DAVIS	Bloomfield, N. J.
SKINNER, ALANSON	Tompkinsville, N. Y.
SPARKS, THOMAS AYRES	New York City
SPLAIN, JOHN ANDREW FRANCIS	New York City
STOREY, CHARLES J.	New York City
STRASBURGER, ALFRED	New York City
SWANSTROM, ARTHUR MUNDY	New York City
TURPIN, EDGAR, C.	New York City
TURRELL, HERBERT PERRY	New York City
VALENSI, ALBERT	New York City
WEDEMEYER, WM. J.	New York City
WOOD, ALFRED ELMER	College Point, N. Y.
WOODS, ROBERT ALLEN	San José, Cal.

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The following matriculated students in the College attended the Summer Session of 1908, but did not register for the first term of the Academic year 1908-09:

CANE, WILLIAM G.	HEALY, THOMAS F.
CARMICHAEL, CYRIL	LAMONT, JOSEPH R.
CASSETTA, DOMINICK	LEWIS, LEICESTER C.
DEEVY, EDWARD S.	NEUSTADT, RICHARD M.
GLUCK, HARRY J.	RENSHAW, ALFRED
GOODMAN, EDWARD	SLOAN, HAROLD S.

SUMMARY

Candidates for Degrees:—

In 1909	119
In 1910	146
In 1911	135
In 1912	166
Non-matriculated Students	64

Total..... 630

SCHOOL OF LAW

OFFICERS OF INSTRUCTION AND GOVERNMENT

Officers of the Faculty

GEORGE W. KIRCHWEY, A.B., LL.D.,

Dean and ex-officio Member of the University Council

HENRY S. REDFIELD, A.M., LL.D. *Secretary*

FRANCIS M. BURDICK, LL.D. (*Term expires 1910*) *Elected Delegate to the University Council*

HARRY A. CUSHING, Ph.D., LL.B. (*Term expires 1911*) *Elected Delegate to the University Council*

The Faculty

NICHOLAS MURRAY BUTLER, Ph.D., LL.D. (Cantab.), Litt.D. (Oxon.),
President

JOHN W. BURGESS, Ph.D., LL.D.,

Ruggles Professor of Political Science and Constitutional Law

¹ MUNROE SMITH, J.U.D., LL.D.,

Professor of Roman Law and Comparative Jurisprudence

FRANK J. GOODNOW, LL.D.,

Eaton Professor of Administrative Law and Municipal Science

FRANCIS M. BURDICK, LL.D. *Dwight Professor of Laws*

GEORGE W. KIRCHWEY, A.B. *Kent Professor of Law*

² JOHN B. MOORE, LL.D.,

Hamilton Fish Professor of International Law and Diplomacy

GEORGE F. CANFIELD, A.B., LL.B. *Professor of Law*

HENRY S. REDFIELD, A.M., LL.D. *Nash Professor of Law*

CHARLES THADDEUS TERRY, A.B., LL.B. *Professor of Law*

NATHAN ABBOTT, A.B., LL.B. *Professor of Law*

HARRY ALONZO CUSHING, Ph.D., LL.B. *Professor of Law*

GOLDTHWAITE H. DORR, A.B., LL.B. *Lecturer*

PURPOSES OF THE SCHOOL

The design of the School of Law is to afford a thorough, practical and scientific education in the principles of:

The common and statute law of the United States.

The English and American system of equity jurisdiction.

¹ Absent on leave second half-year.

² Absent on leave, 1908-09.

The public law of the United States and Europe.
The Roman law—ancient and modern.
Theoretical and comparative jurisprudence.

PROGRAM OF STUDIES

First Year

CONTRACTS—Keener's Cases on Contracts. 4 hours. Professor TERRY

CRIMINAL LAW—Beale's Cases on Criminal Law. 3 hours, first half-year. Professor CUSHING

ELEMENTS OF LAW—3 hours, first half-year. Professor MUNROE SMITH

EQUITY—Ames's Cases on Equity, vol. 1. 3 hours, second half-year. Professor ABBOTT

PLEADING AND PRACTICE—Ames's Cases on Common Law Pleading; Perry on Common Law Pleading. 3 hours, second half-year. Professor REDFIELD

REAL AND PERSONAL PROPERTY—Kirchwey's Readings in Real Property; Gray's Cases on Property, vol. 1 (2d ed.). 2 hours. Professor KIRCHWEY

TORTS—Burdick's Cases on Torts (3d ed.); Burdick on Torts. 2 hours. Professor BURDICK

Second Year

* ADMIRALTY—Ames's Cases on Admiralty. 2 hours, first half-year. Mr. DORR

AGENCY—Wambaugh's Cases on Agency. 3 hours, first half-year. Professor CUSHING

BAILMENTS AND CARRIERS—Beale and Wyman's Cases on Public Service Companies. 3 hours, second half-year. Mr. DORR

* BANKRUPTCY AND INSOLVENCY—Williston's Cases on Bankruptcy. 2 hours, first half-year. Professor CUSHING

* DAMAGES—Beale's Cases on Damages. 2 hours, second half-year. Professor CUSHING.

DOMESTIC RELATIONS—Woodruff's Cases on Domestic Relations. 2 hours, first half-year. Professor ABBOTT

EQUITY—Ames's Cases on Trusts. 2 hours. Professor ABBOTT

INSURANCE—Wambaugh's Cases on Insurance. 2 hours, first half-year. Mr. DORR

NEGOTIABLE PAPER—Ames's Cases on Bills and Notes. 2 hours. Professor BURDICK

* Omitted in 1908-09.

PLEADING AND PRACTICE—Redfield's Cases on Code Pleading and Practice; Thompson's Cases on Equity Pleading; New York Code of Civil Procedure. 2 hours. Professor REDFIELD

QUASI-CONTRACTS—Scott's Cases on Quasi-Contracts. 3 hours, second half-year. Professor CUSHING

REAL AND PERSONAL PROPERTY—Gray's Cases on Property, vols. 2 (2d ed.) and 3 (2d ed.). 2 hours. Professor KIRCHWEY

SALES OF PERSONAL PROPERTY—Burdick's Cases on Sales (2d ed.); Burdick on Sales (2d ed.). 2 hours. Professor BURDICK

LAW OF OFFICERS. Goodnow's Cases on the Law of Officers. 2 hours, second half-year. Professor GOODNOW

COMPARATIVE CONSTITUTIONAL LAW. 2 hours. Professor BURGESS

INSTITUTES OF ROMAN LAW. 2 hours. Professor MUNROE SMITH.

Third Year

CORPORATIONS—Keener's Cases on Corporations. 2 hours. Professor CANFIELD

EQUITY—Ames's Cases on Equity, vol. 2. 2 hours. Professor ABBOTT

EVIDENCE—Thayer's Cases on Evidence. 2 hours. Professor KIRCHWEY

MORTGAGES—Kirchwey's Cases on Mortgages. 3 hours, second half-year. Professor CUSHING

PARTNERSHIP—Burdick's Cases on Partnership; Burdick on Partnership. 2 hours. Professor BURDICK

PLEADING AND PRACTICE.—New York Code of Civil Procedure. 3 hours, first half-year. Professor REDFIELD

REAL AND PERSONAL PROPERTY—Gray's Cases on Property, vols. 5 and 6. 2 hours. Professor ABBOTT

SURETYSHIP—Ames's Cases on Suretyship. 2 hours, first half-year. Professor CUSHING.

TRUSTS AND PERPETUITIES—Under the Revised Statutes of New York. 2 hours, second half-year. Professor CANFIELD

WILLS AND ADMINISTRATION—Gray's Cases on Property, vol. 4 (2d ed.). 3 hours, second half-year. Professor REDFIELD

AMERICAN CONSTITUTIONAL LAW: Private Rights under the Constitution. 2 hours. Professor BURGESS

CONFLICT OF LAWS—Beale's Cases on the Conflict of Laws. 1 hour. Professor MUNROE SMITH

HISTORY OF EUROPEAN LAW. 2 hours, second half-year. Professor MUNROE SMITH

INTERNATIONAL LAW—Scott's Cases on International Law. 2 hours.
Mr. GEORGE WINFIELD SCOTT

MODERN CIVIL LAW. 2 hours. Professor MUNROE SMITH

MUNICIPAL CORPORATIONS—Abbot's Cases on Public Corporations;
Smith's Cases on Municipal Corporations. 2 hours, first half-year.
Professor GOODNOW

LAW OF TAXATION. Goodnow's Cases on Taxation. 2 hours,
second half-year. Professor GOODNOW

REQUIREMENTS FOR ADMISSION

To the First-Year Class

All applicants for admission must present satisfactory evidence of good moral character.

Graduates of colleges and scientific schools in good standing are admitted without examination. Except as provided on p. 177, all persons other than such graduates must present satisfactory evidence of preliminary training equivalent to that of a full college course.

To Advanced Standing

Students complying with the above requirements for admission to the School, who have, in addition, successfully pursued the study of law for at least a year in an approved law school, may, on examination giving satisfactory evidence of proficiency in the studies of the first year, be admitted to advanced standing as members of the second-year class.

No one will be admitted to advanced standing beyond the second year except by special vote of the Faculty.

The examinations for advanced standing cover all the work previously done by the class to which admission is sought, and are held at the end of the academic year and during the week preceding the opening of the fall term. Examinations may be dispensed with and credit given on certificate for courses satisfactorily completed in an approved law school in cases where such courses are deemed by the Faculty equivalent to the corresponding courses given in this school.

Duly qualified persons not candidates for the degree of LL.B. may be admitted as non-matriculated students on presenting such evidence as the Faculty may require of their exceptional fitness to undertake with advantage the study of law.

The Curriculum

The curriculum leading to the degree of Bachelor of Laws covers a period of three years. The work of the first year is prescribed. All the courses of the second and third years are elective. Courses not

taken in the second year may be elected as a part of the work of the following year, but third-year courses will not in general be open to second-year students. A few courses are given only in alternate years. These may be taken both by second- and third-year students.

Registration is limited to courses taken for a degree, and students will be held responsible for the satisfactory completion of all courses for which they are registered.

The work selected by a law student is subject in every case to the approval of the Dean.

Examinations

Written examinations are held at the end of each academic year on the subjects of that year.

All students, whether matriculated or non-matriculated, must, unless excused by the Dean, present themselves for examination in all the subjects for which they are registered at the first examination held therein, and, in case of excuse from any examination, must take the next examination offered in such subject. Students are not permitted to take examinations in courses for which they are not regularly registered.

At all stated examinations the standing of students will be indicated by the letters A, B, C, D, and F, representing *Excellent*, *Good*, *Fair*, *Poor*, and *Failure*, respectively. These grades will be part of the record of the students in the office of the Registrar and will be reported to them as soon as possible after each examination.

No student is admitted to the second-year class who is deficient in more than four hours of the work of the first year. No student will be admitted to the third-year class who is deficient in any subject of the first year or in more than one full course or in more than two half-year courses of the second year.

No student failing in any subject will be permitted to take a second examination therein without having again taken the course in which such failure occurred, nor will any student failing a second time in any subject be allowed to continue in the School except by special vote of the Faculty.

No special examinations are given.

Degree of Bachelor of Laws

The required work for the degree of Bachelor of Laws consists of 84 points, each point representing the satisfactory completion of work requiring attendance one hour a week for one half-year.

No student may take less than twenty nor more than thirty points in any year without the consent of the Dean.

Not more than one full course nor more than two half-year courses in

which the student receives a mark of D may be counted toward a degree in any one year.

No student failing in any subject on the final examination of his class will be admitted to the degree unless within two years of such failure he presents himself for re-examination and receives a mark of C, at least, therein.

Non-matriculated students who have been members of the School for at least two years may become eligible for the degree if they shall have attained an average of B in all the work prescribed therefor.

Scholarships and Prizes

(See page 430)

Fees

(See page 35)

Law Library

The law library has been greatly extended and improved, and now consists of upwards of 30,000 volumes which have been carefully selected to meet the wants of students. It is especially rich in American, English, and British Colonial reports.

The general Library of the University (see page 43) contains extensive collections of works relating to international, public, and Roman law.

REGISTER OF STUDENTS

School of Law

THIRD YEAR—CLASS OF 1909

ANDERSON, ROGER HAMLIN, A.B. Robert 1904, A.B. Yale 1906.....	New York City
ARMS, GUY TURNER, A.B. Yale 1906.....	West London, Conn.
BAILLY, EDWARD CASHMAN, A.B. 1906.....	Spencerport, N. Y.
BANGSER, ADOLPH, A.B. 1907.....	Lebanon, Pa.
BARBER, JAMES FRED, A.B. Cedarville College 1904.....	Cedarville, O.
BEVIER, LOUIS, 3rd, A.B. Rutgers 1906.....	New Brunswick, N. J.
BUCKNER, CHARLES JOHN, JR., A.B. St. John's 1906.....	New York City
CHAMBERS, FRANK WILLIAM, A.B. 1906.....	New York City
DOERNBERG, WALTER S., A.B. 1907.....	New York City
DOW, FAYETTE BROWN, A.B. Amherst 1904.....	Rochester, N. Y.
DOX, RALPH WATSON, A.B. 1906.....	Lockport, N. Y.
DRAIN, DALE DAVID, A.B. Univ. of Nebraska 1907.....	Kirkwood, Ill.
EASTMAN, HENRY WESTERN, A.B. 1907.....	Roslyn, N. Y.
EASTON, KERNER, A.B. 1905.....	New York City
ELLENWOOD, ERNEST JUDSON, Ph.B. Union 1905.....	Dannemora, N. Y.
ELLIS, FLOYD ELMO.....	Carlisle, Ind.
FEITEL, NATHAN HAWTHORNE, A.B. La. State Univ. 1906.....	New Orleans, La.
FOLGER, PAUL, A.B. Cornell 1906.....	Geneva, N. Y.
FRINK, RALPH MENDENHALL, A.M. 1906, A.B. Wabash 1905.....	Elkhart, Ind.
GOETZ, NORMAN S., A.B. 1906.....	New York City
GORDON, PERCY ADOLPHUS, A.B. 1907.....	Weehawken, N. J.
HAMILTON, SINCLAIR, A.B. Princeton 1906.....	New York City
HAY, WILLIAM WOODHULL, A.B. Princeton 1906.....	New York City
HERSHKOFF, BERNARD, B.S. C. C. N. Y. 1906.....	New York City
HOUSTON, ALFRED, A.B. St. John's 1906.....	Valparaiso, Chile
HOWELL, RAPELJE, A.B. Cambridge, England 1902.....	New York City
JACKSON, LISTON, A.B. Wake Forest 1906.....	Dillon, S. C.
JOLLON, ALFRED JOHN, A.M. 1908, A.B. St. John's 1905.....	New York City
JUDSON, LEONARD, A.B. C. C. N. Y. 1904.....	New York City
KELLS, LUCAS CARLISLE, A.M. Univ. of Minnesota 1904.....	Sauk Centre, Minn.
KENTWELL, LAWRENCE KLINDT.....	Honolulu, H. I.
LATHAM, DUDLEY E., Ph.B. Lafayette 1905.....	Weatherly, Pa.
LEVY, BERTRAM, A.B. 1908.....	New York City
MCCARTHY, THEODORE, A.B. 1907.....	New York City
McKINNEY, FRANK C., A.B. Ohio State 1901, A.M., Ohio State 1902.....	Columbus, O.
MCLAUGHLIN, JAMES B., A.B. Fordham 1903.....	New York City
MAURICE, ALBERT TOUZALIN, A.B. Princeton 1906.....	Athens, Pa.
MILLER, SANDFORD LAWRENCE, A.B. 1908.....	Linlithgo, N. Y.
PIERCE, MARION BARNWELL, A.B. Wofford 1906.....	Sparta, Ga.
READ, HARLAN, B.L. Ohio Wesleyan 1906.....	Delaware, Ohio
RIDDLE, STANLEY CLIFTON, B.S. Ohio Wesleyan 1906.....	Delaware, Ohio
RINKE, ARTHUR WERNER, A.B. Yale 1906.....	New York City
ROBERTS, CHARLES MCGIBENG, Ph.B. Kenyon College 1906.....	Mt. Vernon, Ohio

ROIG, HAROLD JOSEPH, A.B. Cornell 1907.....	Poughkeepsie, N. Y.
ROSENBLATT, BERNARD ABRAHAM, A.B. 1907, A.M. 1908.....	New York City
SCHAFER, FRANKLIN PIERCE, A.B. Oberlin 1906.....	New York City
SCHWARZ, WALTER M., A.B. 1907.....	New York City
SHAFER, GEORGE CARLTON, A.B. Princeton 1903.....	Montrose, Pa.
SHAPINSKY, ALVIN THEODORE, A.B. 1907.....	Louisville, Ky.
SHEEHAN, PAUL, A.B. Yale 1906.....	Buffalo, N. Y.
SHELTON, WILLIAM B., A.B. Yale 1906.....	Norwalk, Conn.
SICHER, DUDLEY FRANK, A.B. Yale 1904, A.M. Yale 1905.....	New York City
SIMPSON, ELY, A.B. C. C. N. Y. 1906.....	New York City
SKINNER, ROBERT WILKINSON, JR., A.B. Harvard 1906.....	New York City
SNEAD, CHARLES GOLDEN, JR., A.B. Lincoln 1906.....	Waterbury, Conn.
SPENCE, KENNETH MONROE, A.B. 1906.....	New York City
SPIEGEL, ALFONSE FRANK, A.B. Hanover, North Germany.....	New York City
SPITZ, EDWARD FREDERICK, A.B. 1906, A.M. 1907.....	New York City
SPRAGUE, WILLIAM BUELL, A.B. Yale 1906.....	New York City
STANLEY, EDWARD OTIS, JR., A.B. Princeton 1906.....	East Orange, N. J.
STURTEVANT, WATKIN POWELL, A.B. Allegheny 1906.....	Conneautville, Pa.
TACHNA, MAX, A.B. 1907.....	New York City
THORNTON, ALBERT EDWARD, A.B. Univ. of Georgia 1905, A.B. Yale 1906.....	Atlanta, Ga.
TRAVIS, CHARLES MABBETT, A.B. Wesleyan 1906.....	New York City
TROSK, CHARLES, B.S. C. C. N. Y. 1906.....	New York City
WICKE, CARL, A.B. 1907.....	New York City
WILLIAMS, ERIC JOHANN, A.B. Harvard 1906.....	Lockport, N. Y.
WISE, BOYD DOUGLAS, A.B. 1907.....	New York City
WOLFF, LOUIS JACOB, A.B. 1907.....	New York City
WORMSER, ISAAC MAURICE, A.B. 1906.....	New York City
ZION, EDWIN H., A.B. Park College 1906.....	Stanton, Neb.
Third Year—Class of 1909.....	71

SECOND YEAR—CLASS OF 1910

ALSOPI, REESE DENNY, Ph.B. Yale 1906.....	New York City
ASHER, JACOB, A.B. Clark 1907.....	Worcester, Mass.
AULT, HARLEY ADDISON, A.B. Baker Univ. 1906.....	Ottawa, Kans.
BALDWIN, LORENZO WILSON, A.B. Bowdoin 1907.....	Newburyport, Mass.
BANGS, HENRY McCOMB, A.B. 1906.....	New York City
BAUMER, HERBERT P.....	New York City
BERLINER, LEE HERBERT, A.B. 1908.....	New York City
BISSELL, LOUIS P., A.B. 1904, A.M. 1905 Princeton.....	Philadelphia, Pa.
BLACK, LORING MILTON, JR., A.B. Fordham 1907.....	New York City
BRANDLEY, WALTER GEORGE, A.B. 1908.....	Newark, N. J.
CAMPBELL, LONNIE LEE, A.B. Univ. of Arkansas 1906.....	Newport, Ark.
CELLA, CARLO DOMENICO, A.B. 1908.....	Hoboken, N. J.
CHAPIN, HENRY EAGLE, A.B. 1907.....	New York City
CHERRY, WILBUR HARKNESS, A.B. McGill 1907.....	Toledo, Ohio
CHURCH, ELIHU CUNYNGHAM, C. E. 1904.....	New York City
COMSTOCK, MILES CHESTER.....	Utica, N. Y.
COODER, CLEMENT MOFFAT, Litt.B. Princeton 1907.....	Rahway, N. J.
COPLAN, NATHAN, B.S. Univ. of Georgia 1907.....	Cedartown, Ga.
CRANDALL, JOHN WILLOUGHBY, A.B. Whitworth 1907.....	Tacoma, Wash.
DAWKINS, SPENCER MORGAN, A.B. Wofford 1903.....	Spartanburg, S. C.
DISMAN, BUTLER SAMUEL, A.B. Univ. of Colorado 1908.....	Salida, Colo.
DORSEY, ERASTUS ROY.....	Atlanta, Ga.
DYE, TRAFTON MICKELWAIT, A.B. Oberlin 1906.....	Oregon City, Ore.
EARLY, ERNEST RHEA, A.B. Emory and Henry 1906.....	Foster Falls, Va.
EXSTEIN, LOUIS WEISMAN, Ph.D. Syracuse 1908.....	Syracuse, N. Y.

FERRARI, ROBERT ANTHONY, A.B. 1905, A.M. 1907.....	New York City
FLEISCHMANN, ALBERT JOSEPH, A.B. Johns Hopkins 1907.....	Baltimore, Md.
FREECE, HANS P., A.B. Park College 1904.....	Keota, Iowa
GARVEY, RICHARD, JR., B.S. St. Vincent's 1906.....	Los Angeles, Cal.
GEER, OLIN POTTER, A.B. Williams 1907.....	New York City
GOLDBLATT, HAROLD MILTON, A.B. 1908.....	New York City
HARE, RUSSELL INGMAN, A.B. Ohio State Univ. 1905.....	Muskogee, Okla.
HART, EDWARD HENRY, A.B. Yale 1907.....	New York City
HEIDGERD, HERMAN WILLIAM, A.B. C. C. N. Y. 1907.....	New York City
HERMAN, MOSES MILTON, A.B. Washington and Lee 1906.....	Danville, Va.
HIRSH, GILBERT JULIUS, A.B. Harvard 1907.....	New York City
HOOPES, CLARENCE ARTHUR, A.B. Ohio State Univ. 1908.....	Marysville, O.
HOPPING, ALLEN TILTON, A.B. 1907.....	New York City
HOUSE, JOSEPH WARREN, A.B. Univ. of Arkansas 1907.....	Little Rock, Ark.
HULSMANN, HERMANN ALBERT.....	Hilversum, Holland
INTERMANN, ALFRED CHRISTOPHER, A.B. C. C. N. Y. 1906.....	New York City
JABINE, WILLIAM, A.B. 1907.....	Yonkers, N. Y.
JAQUES, GEORGE WASHINGTON, JR., A.B. 1908.....	Elizabeth, N. J.
KATZENSTEIN, CHARLES JACKSON, A.B. Univ. of N. Carolina 1907..	Warren Plains, N. C.
KELLY, LEO CHARLES, A.B. Wabash 1907.....	Crawfordsville, Ind.
KELLY, WALTER EDWARD, A.B. 1907.....	New York City
KENT, TOWNER, A.B. Yale 1906.....	Patterson, N. Y.
KERNAN, CLINE WETHERILL, A.B. Tulane 1907.....	Baton Rouge, La.
KLEPPER, MILTON REED, A.B. State College of Washington 1907...	Pullman, Wash.
KOBBE, FREDERICK WILLIAM, A.B. 1907.....	New York City
LANZIT, MORTIMER.....	New York City
LEVY, ALBERT MELVIN, A.B. Univ. of Nebraska 1907.....	Lincoln, Neb.
LEVY, ARTHUR SAUL, JR., A.B. 1907.....	New York City
MCCANLISS, LEE E., A.B. Wabash 1907.....	Rockville, Ind.
MCCARTHY, MARTIN FRANCIS.....	New York City
MCCORMICK, WASHINGTON JAY, A.B. Harvard 1907..	Missoula, Montana
MCGILL, NEIL WORTHINGTON, A.B. Oberlin 1907.....	Meadville, Pa.
MCLAUGHLIN, CHARLES F., A.B. Univ. of Nebraska 1908.....	Lincoln, Neb.
MARTIN, DRELINCOURT MATHEWS, A.B. Harvard 1907.....	New York City
MILHOLLAND, WILLIAM HENRY, A.B. Yale 1907.....	New York City
MILLS, MILTON ALEXANDER, JR., A.B. Univ. of Nebraska 1908.....	Osceola, Neb.
MOREMEN, MARCUS L., B.S. Univ. of Florida 1907.....	Switzerland, Fla.
MORTIMER, ALBERT SKELLY, A.B. St. Francis Xavier 1907.....	New York City
NEWELL, ALBERT PRIEST, A.B. Williams 1905.....	Ogdensburg, N. Y.
NORRIS, GEORGE, A.B. 1907.....	New York City
O'CONNELL, AMBROSE A., Ph.B. Notre Dame 1907..	St. Louis, Mo.
O'CONNOR, VINCENT A., A.B. St. John's 1906.....	New York City
OSTERHOUT, WILLIAM BURGESS, JR., A.B. 1908.....	Freeport, N. Y.
PARKS, JAMES LEWIS, JR., A.B. 1907.....	New York City
PEABODY, JOHN DAMON, A.B. Harvard 1906.....	New York City
PEISER, DELWYN WALTER, A. B. 1907.....	New York City
PIERSON, HOWARD OLMSTEAD, A.B. Princeton 1906.....	Norwalk, Conn.
PORTER, RUSSELL HOBBS, A.B. Oxford 1907.....	Norfolk, England
PUTNAM, JAMES OSBORNE, A.B. Yale 1903.....	New York City
RAFFERTY, HARRY LOGAN, A.B. Univ. of Oregon 1907.....	Portland, Ore.
RATHJEN, ARTHUR, B.S. Univ. of Rochester 1906.....	Rochester, N. Y.
REILLY, FAIRFAX ADDISON, A.B. Amherst 1908.....	Mt. Vernon, N. Y.
REINER, JOHN LOUIS, A.B. Univ. of Penn. 1906.....	Little Britain, N. Y.
REYNOLDS, WILLIAM A.....	New York City
RITER, BENJAMIN FRANKLIN, JR., B.S. Utah Agricultural College 1907...	Logan, Utah
ROBINSON, JOHN SHERMAN, A.B. Univ. of Michigan 1903.....	Mansfield, Ohio

ROSE, WALTER J., A.B. 1908.....	New York City
ROUSE, EDWARD CURTIS, A.B. 1908.....	New York City
RUSSELL, JOHN WINTER, A.B. Harvard 1905.....	Colebrook, N. H.
SCHMITT, PAUL ADAM, A.B. St. Francis Xavier 1907.....	New York City
SHERRER, FRANK LESTER, A.B. Lafayette 1907.....	East Orange, N. J.
SILVERMAN, HERMAN, Ph.B. Yale 1906.....	New York City
SKUTCH, IRA, A.B. 1908.....	New York City
SMITH, ALLAN, A.B. Ohio Wesleyan 1906.....	Wilmington, Ohio
SOMMERS, SAMUEL ALEXANDER.....	Cincinnati, Ohio
SPINGARN, HERMAN, A.B. Cornell 1907.....	New York City
STANLEY, JOSEPH H., A.B. Univ. of Arkansas 1897.....	Augusta, Ark.
STIGGINS, SAMUEL J., A.B. Rollins 1906.....	Tampa, Fla.
SWAIN, PRESCOTT LEGGETT, A.B. Harvard 1905.....	Denver, Colo.
SWARTWOUT, FRANK ROBERT, A.B. 1908.....	Scarsdale, N. Y.
TUTTLE, GEORGE COOLIDGE, A.B. Yale 1907.....	New York City
UNTERMYER, IRWIN.....	New York City
VANDERVEER, STEPHEN LOTT, A.B. Cornell 1908.....	New York City
VANDEWATER, WILLIAM COLLINS, A.B. Princeton 1907.....	Princeton, N. J.
VAN TINE, ADDISON ALLEN, A.B. 1908.....	New York City
WALKER, EDWARD WASHBURN, A.B. Princeton 1907.....	New York City
WELTNER, PHILIP ROBERT, A.B. Univ. of Georgia 1907.....	Columbia, S. C.
Second Year—Class of 1910.....	

FIRST YEAR—CLASS OF 1911

ACKERMAN, SAUL BERNARD, B.S. C. C. N. Y. 1908.....	New York City
ALEXANDER, TOM MACKENZIE, A.B. 1908.....	New York City
ALLEN, JAMES ARTHUR, A.B. Baker 1908.....	Chanute, Kans.
ALMIRALL, LEON VINCENT, Bh.P. Holy Cross 1906.....	New York City
BAGNELL, ROBERT HAROLD, A.B. 1908.....	New York City
BEDFORD, HENRY EDWARD, JR., A.B. Williams 1908.....	New York City
BELL, STEPHEN M., C.E. Rensselaer Poly. Inst. 1903.....	New York City
BELL, THOMAS SYDNEY, A.B. Univ. of New Mexico 1905.....	Decatur, Ill.
BIGLOW, LUCIUS H. 3rd, A.B. Yale 1908.....	New York City
BIJUR, HARRY, A.B. 1908.....	New York City
BISSELL, CLIFFORD HERSHEY, A.B. Yale 1908.....	New York City
BRIZZOLARA, JOHN, A.B. Univ. of Arkansas 1908.....	Fort Smith, Ark.
BRUBAKER, MAURICE H., A.B. Wabash 1908.....	Columbia City, Ind.
BRUSH, HAMILTON MABIE, A.B. Yale 1908.....	Greenwich, Conn.
BYARD, J. KENNETH, A.B. Williams 1908.....	Flycreek, N. Y.
BYERS, WILLIAM E., A.B. Marietta College 1908.....	Broadwell, O.
CALHOUN, ORVILLE GIBERT, A.B. Wofford 1907.....	Willington, S. C.
CHASE, LOUIS ALBERT, Ph.B. Yale 1898.....	Plainfield, N. J.
CHIMIELENSKI, HARRY, A.B. Holy Cross 1904.....	Warsaw, Poland
CHURCH, IRVING WASHINGTON, A.B. Lawrence 1906.....	Menomonee Falls, Wis.
CHURCHILL, FRED. C., A.B. Lake Forest 1905.....	Joliet, Ill.
CLEMANS, EARLE GEORGE, A.B. State Univ. of Washington 1907.....	Asotin, Wash.
CONKLING, ROSCOE S., A.B. Amherst 1908.....	Newburgh, N. Y.
CORBETT, FREDERICK JOSEPH CLEMENT, B.S. Trinity 1908.....	Hartford, Conn.
CUTTING, VICTOR WILLARD, A.B. 1908.....	New York City
DEAN, FRANCIS, A.B. Harvard 1907.....	Stamford, Conn.
DE GOLYER, RALPH JAMES, A.B. Harvard 1908.....	Springfield, Mass.
DENSLOW, LLOYD S., A.B. Univ. of Nebraska 1908.....	Hooper, Neb.
DOND, DENNIS, III, A.B. Georgetown 1908.....	New York City
DUNMORE, RUSSELL G., A.B. Wesleyan, 1908.....	Utica, N. Y.
EASTMAN, WILLIAM, A.B. 1908.....	Roslyn, N. Y.

FISK, BRENTON KERN, A.B. Kingfisher College 1907	Kingfisher, Okla.
FRANKEL, OSMOND KESSLER, A.B. 1907, A.M. 1908 Harvard	New York City
FREEDMAN, ABE, Ph.B. Baylor 1908	Waco, Texas
FRENCH, CLAYTON T. A., A.B. N. Y. U. 1907	New York City
GARUA, JOSEPH, A.B. Madrid 1902	New York City
GLENN, WILLIAM LOUIS, A.B. Univ. of Virginia 1908	New York City
GOODWIN, WILDER, A.B. Harvard 1907	New York City
GRESHAM, WALTER JONATHAN, A.B. Park College 1908	Parkville, Mo.
GULFAIL, PAUL HAYES, A.B. Trinity 1908	Hartford, Conn.
HARLAM, ELWOOD JULES, A.B. 1908	New York City
HARTMAN, SIEGFRIED FRISCH, B.S. C. C. N. Y. 1908	New York City
HENNIS, JOHN ROBERTSON, A.B. St. Francis Xavier 1907	New York City
HESS, MORTIMER HENRY, A.B. 1908	New York City
HIGGINS, FREMONT AMASA, A.B. 1908	New York City
HIGH, LESLIE STEPHEN, A.B., A.M. Brown 1908	Providence, R. I.
HITE, GEORGE EDGAR, II, A.B. Williams 1908	White Plains, N.Y.
HOLMES, LINDSAY D., A.B. Williams 1908	Elmira, N. Y.
HOLTZOFF, ALEXANDER, A.B. 1908	New York City
HOUGHTON, JAMES K., A.B. Wooster 1908	Hamilton, Mo.
HOUSE, BEVERLY PRYOR, A.B. 1904, A.M. 1905 Kentucky	Manchester, Ky.
JACOBS, WILLIAM ALFRED, A.B. Vanderbilt 1906	Beech Grove, Tenn.
JOHNSON, HALLETT, A.B. Williams 1908	South Orange, N. J.
JOHNSON, HARDING, JR., Litt. B. Princeton 1908	New York City
KAIN, WILLIAM FREDERICK, Litt. B. Princeton 1908	Dallas, Texas
KELLOGG, ASA BIGELOW, A.B. C. C. N. Y. 1908	New York City
KIRCHWEY, KARL WENDELL, A.B. Yale 1908	New York City
KONTA, GEOFFREY, A.B. Yale 1908	New York City
KOO, VI KYUIN WELLINGTON, A.B. 1908	Shanghai, China
LANGSTAFF, BRIDGEWATER MEREDITH, A.B. Harvard 1908	New York City
LEISSNER, EDWARD	New York City
LIVENGOOD, LESTER MILES, B.L. Whitman 1908	Walla Walla, Wash.
LOVE, GEORGE STROMAN, A.B. Princeton 1907	York, Pa.
McBEE, SILAS, JR., A.B. Univ. of the South 1906	Great Neck, N. Y.
McCHRISTIE, JOHN CLIFFORD, A.B. Fordham 1908	New York City
McDAVID, HORACE W., A.B. Millikin 1907	Coffeen, Ill.
McLAUGHLIN, WILLIAM GERALD, A.B. St. Francis Xavier 1907	Jersey City, N. J.
MACY, J. W., JR., A.B. Wabash 1908	Winchester, Ind.
MALLORY, PHILIP ROGERS, A.B. Yale 1908	New York City
MAYERS, BENJAMIN RAPHAEL, JR., A.B. La. State Univ.	Baton Rouge, La.
MILKMAN, WALTER BERNARD, A.B. 1908	New York City
MILLER, KENNETH DEXTER, A.B. Princeton 1908	New York City
MORRIS, GEORGE W., A.B. Rochester 1908	Rochester, N. Y.
MURPHY, DEACON, A.B. 1908	New York City
MYERS, CARL METZ, B.S. Buchtel College 1908	Akron, Ohio
NEIGHBORS, C. H., A.B. Emory and Henry 1908	East Chattanooga, Tenn.
NETTLES, ABRAHAM STEPHEN, A.B. Wofford 1908	Spartanburg, S. C.
O'BRIEN, DANIEL DOYLE, A.B. Holy Cross 1903	Northampton, Mass.
PEASLEE, AMOS JENKINS, A.B. Swarthmore 1907	Clarksboro, N. J.
REEVES, JAMES ARTHUR, A.B. Harvard 1905	Cambridge, Mass.
REIF, GEORGE L., JR., B.S. Fordham 1908	Mt. Vernon, N. Y.
RICE, ROBERT HUGHES, A.B. Oberlin 1908	Elyria, Ohio
RICHARDS, PRESTON DOREMUS	Salt Lake City, Utah
RUDDOCK, ALBERT BILLINGS, A.B. Yale 1907	New York City
SCOTT, FRANCIS EDWARD, A.B. Emory and Henry 1906	Emory, Va.
SHEEHAN, DANIEL FRANCIS, A.B. Amherst 1907	Northampton, Mass.
SICKELS, JOHN STEWART, B.S. C. C. N. Y. 1908	West Nyack, N. Y.

SOLINGER, WALTER BERNARD, A.B. Princeton 1908.....	New York City
SOUDER, HUGH COWAN, A.B. Maryville 1906.....	Greenfield, Ind.
STEELE, ROSWELL H., A.B. Yale 1908.....	New York City
STEINER, JOSEPH, A.B. 1908.....	Newark, N. J.
STIGER, CARL B., Ph.B. Western 1903.....	Toledo, Iowa
STRATTON, JOHN RAYMOND, A.B. Bushnell 1908.....	Blossburg, Pa.
TAYLOR, JOSEPH M., A.B. Fordham 1908.....	New York City
TERMINI, PHILIP JOSEPH, A.B. Fordham 1908.....	New York City
THOMAS, ARTHUR GEORGE, A.B. Chicago 1903.....	Minneapolis, Minn.
TRUBULSI, NESIB SLEYMAN, A.B. Syrian Protestant 1904.....	Beirut, Syria
UHLEIN, HERMAN ALFRED, M.E. Cornell 1908.....	Milwaukee, Wis.
WALKINSHAW, ROBERT BOYD, Ph.B. Wooster 1905.....	Millwood, Pa.
WALSER, GUY OLIVER, A.B. Harvard 1908.....	New York City
WEATHERBEE, HICKS ARNOLD.....	New York City
WEBB, HENRY WALTER, A.B. Yale 1908.....	New York City
WEISS, WILLIAM STIX, A.B. Yale 1908.....	New York City
WOLFF, STANLEY LEWIS, A.B. Amherst 1908.....	New York City
WYLIE, SAMUEL DUNCAN, A.B. Lafayette 1908.....	Shippensburg, Pa.
First Year—Class of 1911.....	105

NON-MATRICULATED STUDENTS

ANDREWS, WALTER SCOTT, JR.....	Kingston, N. Y.
BENNY, JAMES EDWIN.....	Bayonne, N. J.
BROGAN, JOHN F., LL.B. Notre Dame 1908.....	Dallas, Ore.
CAMPBELL, COLIN JOSEPH.....	Cherryfield, Me.
CHOW, ISUNG HUA, Ph.B. Yale 1908.....	China
FIELD, HARRY GOODING.....	New York City
FLOYD, CHARLES HAROLD, B.S. Harvard 1903.....	New York City
FRANK, ARTHUR, LL.B. 1908, B.S. Vanderbilt 1905.....	Nashville, Tenn.
FRENCH, FRED. F.....	New York City
FREUNDLICH, ISAAC.....	New York City
HELM, CARL F.....	Tacoma, Wash.
HERSHENSTEIN, SAMUEL.....	Jersey City, N. J.
HO, WINGSHIN S.....	Canton, China
HUMPHREY, HAROLD E.....	New York City
KAHN, JULIUS.....	New York City
KELLER, FRED CARL.....	New York City
LINDSAY, SAMUEL McCUNE.....	New York City
Ph.D. Univ. of Halle 1892, Ph.B. Univ. of Penn. 1889	
McLAWRY, FRANK.....	So. Kortright, N. Y.
MARTIN, ISAIAH LUCIAN, JR., LL.B. Texas 1908.....	Uvalde, Texas
MAZIER, THOMAS A., A.B. "El Porvenir" College 1904.....	Honduras, C. A.
MEGREW, GEORGE.....	Plainfield, N. J.
PARKER, GEO. CLYDE, LL.B. Denver 1908.....	Seattle, Wash.
PECKHAM, HAROLD PERCY.....	Waterford, N. Y.
LL.B. Albany Law School 1908, A.B. Williams, 1905	
REED, STANLEY FORMAN, A.B. Yale 1906.....	Maysville, Ky.
RICHTER, ROBERT M.....	New York City
ROBINSON, WILLIAM SMITH O'BRIEN, JR., Ph.B. Univ. N. Carolina.....	Goldsboro, N. C.
RODRIGUES, PEDRO CAPO.....	New York City
SHAN, WITSON S.....	Wen-Chow, China
SICLARI, FRANCESCO ANTONIO.....	New York City
SULLIVAN, ARTHUR RICHARD, JR., B.L. Univ. of Georgia 1906.....	Rome, Ga.
WILLARD, EUGENE SANDS, LL.B. New York Law School 1908.....	New York City
WISE, LEO HENRY.....	New York City
Non-matriculated Students.....	32

SUMMARY

Third Year—Class of 1909.....	71
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First Year—Class of 1911.....	105
Non-matriculated students.....	32
	<hr/>
	310
Seniors from Columbia College.....	29
	<hr/>
Total.....	339



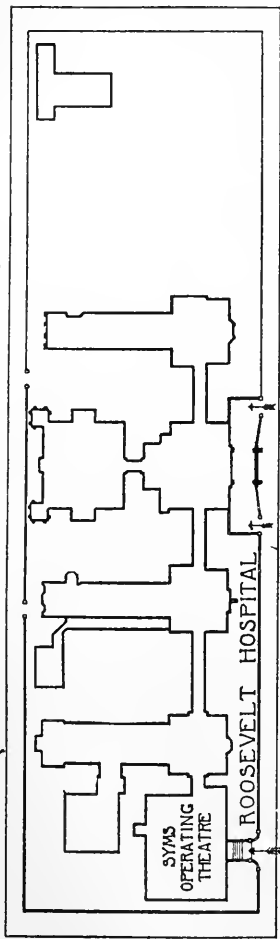
FIFTY EIGHTH STREET

AMSTERDAM

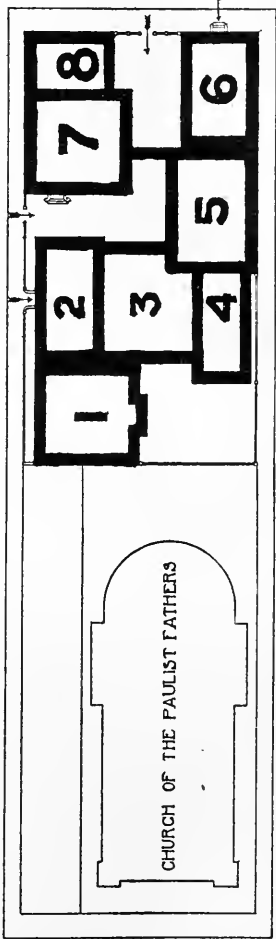
AVENUE

COLUMBUS

AVENUE

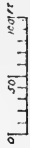


FIFTY NINTH STREET



SIXTIETH STREET

PLAN OF THE BUILDINGS AND GROUNDS
COLLEGE OF PHYSICIANS AND SURGEONS
COLUMBIA UNIVERSITY



No. 1. Institute of Anatomy
No. 2. South Wing
No. 3. Middle Wing

No. 4. North Wing
No. 5. Vanderbilt Clinic East
No. 6. Vanderbilt Clinic West

No. 7. Sloane Maternity Hospital East
No. 8. Sloane Maternity Hospital West

SCHOOL OF MEDICINE

COLLEGE OF PHYSICIANS AND SURGEONS

Officers of the Faculty

SAMUEL W. LAMBERT, A.M., M.D. . . . *Dean and ex-officio Member of the University Council*

WALTER B. JAMES, M.D., LL.D. (Term expires 1910) . . *Elected Delegate to the University Council*

M. ALLEN STARR, M.D., LL.D., Sc.D. (Term expires 1911) . . . *Elected Delegate to the University Council*

WILLIAM J. GIES, M.S., Ph.D. *Secretary*

Standing Committees

ON ADMINISTRATION:

The Dean (Chairman), Professors HUNTINGTON, CRAGIN, JAMES, and BREWER

ON ADMISSIONS:

The Dean (Chairman), Professors BLAKE and WOOD

ON SCHOLARSHIPS:

The Dean (Chairman), Professors GIES and HOLT

ON STUDENTS' LIBRARY:

Professors PRUDDEN (Chairman), CURTIS and STARR

The Faculty

NICHOLAS MURRAY BUTLER, Ph.D., LL.D. (Cantab.), Litt.D. (Oxon.),
President

JOHN G. CURTIS, M.D., LL.D. *Professor of Physiology*

M. ALLEN STARR, M.D., LL.D., Sc.D. *Professor of Neurology*

GEORGE S. HUNTINGTON, M.D., Sc.D., LL.D. . . . *Professor of Anatomy*

T. MITCHELL PRUDDEN, M.D., LL.D. *Professor of Pathology*

EDWIN B. CRAGIN, A.M., M.D. . . . *Professor of Obstetrics and Gynecology*

WALTER B. JAMES, M.D., LL.D. *Bard Professor of the Practice of Medicine*

WILLIAM J. GIES, M.S., Ph.D. *Professor of Biological Chemistry*

L. EMMETT HOLT, M.D., LL.D., Sc.D.....	<i>Carpentier Professor of Diseases of Children</i>
PHILIP HANSON HISS, JR., M.D.....	<i>Professor of Bacteriology</i>
CHRISTIAN A. HERTER, M.D.....	<i>Professor of Pharmacology and Therapeutics</i>
JOSEPH A. BLAKE, M.D.....	<i>Professor of Surgery</i>
SAMUEL W. LAMBERT, A.M., M.D....	<i>Professor of Applied Therapeutics</i>
GEORGE E. BREWER, M.D.....	<i>Professor of Clinical Surgery</i>
FRANCIS CARTER WOOD, M.D.....	<i>Professor of Clinical Pathology</i>
HARRY McMAHON PAINTER, M.D.....	<i>Professor of Clinical Obstetrics</i>

Emeritus Professors

(See page 7).

HISTORICAL STATEMENT

Kings College—the original foundation of Columbia University—organized a Medical Faculty in 1767 and was the first institution in the North American Colonies to confer the degree of Doctor of Medicine in course. The first individuals to graduate in medicine from the College were Robert Tucker and Samuel Kissam, who received the degree of Bachelor of Medicine in May, 1769, and that of Doctor of Medicine in May, 1770, and May, 1771, respectively. Instruction in medicine was given from this time on until the work of the College was broken up by the War of the Revolution. In 1784 an act was passed making Columbia College in the City of New York the successor of Kings College, and instruction was resumed in the academic department. Eight years later the Medical Faculty was re-established, and was continued until 1814, when the Medical Faculty of Columbia College was merged in the College of Physicians and Surgeons, which had received an independent charter in 1807. In 1860, by agreement between the Trustees of the two institutions, the College of Physicians and Surgeons became the medical department of Columbia College, and from that time on the diplomas of the graduates were signed by the President of Columbia College as well as by the President of the College of Physicians and Surgeons. The connection was only a nominal one, however, until 1891, when the College was definitely merged in the University.

Since 1860 the degree of Doctor of Medicine has been conferred by Columbia University on 5786 men, including many of the most eminent practitioners in the United States.

BUILDINGS, GROUNDS, AND EQUIPMENT

The College of Physicians and Surgeons was first situated at 18 Robinson Street, from 1807 to 1809. From 1809 to 1813 it was at 12 Magazine Street; from 1813 to 1837 at 3 Barclay Street; from 1837 to

1856 at 67 Crosby Street; and from 1856 to 1887 at 101 East Twenty-third Street. It now occupies a group of buildings given by the late William H. Vanderbilt, his sons Cornelius, William K., Frederick W., and George W. Vanderbilt, and by William D. Sloane, which stands upon thirty contiguous lots of land, bounded on the south-west, and north by Fifty-ninth Street, Amsterdam Avenue, and Sixtieth Street, respectively, and lying immediately opposite to the Roosevelt Hospital.

The Main Building

The College Building proper has been designed to facilitate the combination of theoretical instruction with laboratory work, which is essential to a modern scientific training. In this building, which has a floor space of 100,000 square feet, are the lecture halls, the recitation rooms, and the different laboratories, under the supervision of their respective professors, all thoroughly equipped for the routine work of the regular classes and for the special original and research work of the advanced students, instructors, and professors of the several departments.

In this building are the administrative offices, the laboratories of Physiology, General and Physiological Chemistry, Surgery, Pharmacology and Pharmaceutics, the Morphological Museums and Laboratory, a dissecting room accommodating 400 students, and two large amphitheatres.

For a more detailed account of the equipment of each department see the departmental statements.

Vanderbilt Clinic

BOARD OF MANAGERS: Mr. Frederick W. Vanderbilt, Dr. S. W. Lambert, Dean, Dr. Timothy M. Cheesman, Dr. Joseph A. Blake, and Dr. Francis C. Wood.

THE VANDERBILT CLINIC is a fully equipped dispensary for the sick poor. It also affords ample material for extended practical clinical instruction in the various departments of Medicine and Surgery, as the professors, with their clinical assistants, have the entire charge of its practice.

The building is so arranged that each department has a room for the practical instruction of students in small sections, in addition to the rooms devoted to the treatment of patients; besides, there is a large theatre for clinical lectures and a smaller lecture hall.

All modern appliances for the treatment of diseases have been introduced, so that students can learn thoroughly the use of all methods in each of the special departments of medicine.

During the year 1907, 49,603 patients were treated, making 166,258 visits to the Clinic.

For detailed information as to the clinical lectures held here, see the departmental statements in this volume, or the *Announcement of the College of Physicians and Surgeons*.

Sloane Maternity Hospital

BOARD OF MANAGERS: Mr. William D. Sloane, Dr. S. W. Lambert, Dean, Dr. T. Mitchell Prudden, Dr. Edwin B. Cragin, and Mr. George L. Rives.

THE SLOANE MATERNITY HOSPITAL is situated at the corner of Fifty-ninth Street and Amsterdam Avenue, and the service is under the exclusive direction of the Professor of Obstetrics in the College of Physicians and Surgeons, the Instructor in Obstetrics being the Resident Physician. The wards of the Hospital furnish one hundred and twenty-seven beds, and there are ample accommodations for the house staff, students, and nurses. The operating room is equipped with all modern surgical and obstetrical conveniences, and Professor CRAGIN holds weekly clinics here for third-year class during the first half of the year.

The number of deliveries averages over fifteen hundred a year. These, with the obstetric operations and the subsequent treatment of women and infants, afford invaluable practical experience.

Clinics at the Hospitals

The College is strongly represented on the staffs of most of the general and special hospitals of New York. In them both required and optional practical instruction is given by clinical lectures, in the dispensaries and at the bedside, all of which are prominent features of the curriculum. These hospitals are as follows: Roosevelt, Bellevue, New York, Presbyterian, St. Luke's, French, Gouverneur, General Memorial, Hospital for the Ruptured and Crippled, St. Mary's Free Hospital for Children, Willard Parker, Scarlet Fever and Reception, Riverside, New York Eye and Ear Infirmary, Foundling, the Babies' Hospital, New York Ophthalmic and Aural Institute, the Manhattan Eye, Ear, and Throat Hospital, and the Woman's Hospital. For a detailed statement see the *Announcement of the College of Physicians and Surgeons*.

Lectures

CARTWRIGHT LECTURES OF THE ALUMNI ASSOCIATION—According to the provisions of the Cartwright Trust there is biennially given, under the auspices of the Alumni Association, a course of lectures more especially addressed to graduates in medicine. This course was delivered in March, 1908, by James Ewing, M.D., '91.

GENERAL PLAN OF INSTRUCTION

The prescribed period of study for the degree of Doctor of Medicine is four years. The requirements for admission are given elsewhere, but too much stress cannot be laid upon the desirability of a student fulfilling the spirit as well as the mere letter of those requirements. Physics and general chemistry are now required for admission, and the student of medicine will grasp the advanced subjects forming the groundwork of the course the more easily and with the better understanding just in proportion to the breadth and completeness of his preliminary education. This is especially true of the student who has added to his physics and chemistry a sufficient knowledge of general biology, which though not required for admission until September, 1910, is an essential part of a thorough medical education. The attention of students is particularly called to the regulations of Columbia College (see page 186) which permit a student to obtain a thorough preliminary training and at the same time to complete the requirements for the degree of A.B. or B.S. and the degree of M.D. in six years.

In the arrangement of the different branches of the medical instruction a logical order of the main themes and a co-ordination in the work of each department have been sought after, enabling the student to concentrate his attention upon some one subject and to be so familiar with it that the allied subjects next to be taken up shall be readily understood. The salient features in the method of instruction are thorough laboratory training, frequent demonstrations, clinical teaching in the operating theatres and at the bedside as well as in the dispensaries, with recitations and didactic lectures to elucidate the many problems confronting the student.

Records of attendance and scholarship are kept, and before a student may advance with his class he must, besides passing a good examination in a subject, present certificates of satisfactory practical work.

In the first half of the first year the time of the student is devoted largely to anatomy. The instruction is carried on mainly by numerous demonstrations to sections and by long periods of uninterrupted work in the dissecting room. In this part of the year pharmacy laboratory work is begun, organic and physical chemistry is dealt with and taught by didactic lectures, recitations, and laboratory exercises, and histology is begun. In the second half of the first year the study of physiology is begun, for which the students have been prepared by a course in mammalian morphology. Physiology is taught by didactic lectures, demonstrations, recitations, and practical work in the laboratory. Physiological chemistry is studied in the laboratory and by lectures and recitations. Anatomy is continued and the course in histology and embryology is completed.

In the second year anatomy and physiology are completed. The lectures in materia medica are begun and lectures, recitations, and laboratory courses in pharmacology and bacteriology and hygiene are attended. As preliminary to the third and fourth years, recitations from text-books are held in medicine, obstetrics, materia medica, and surgery. For the second half of the second year the students are assigned to the laboratory for work in pathology and pathological anatomy.

During the third year recitations in medicine and surgery are continued and those in gynecology, diseases of children, and therapeutics are begun. There are didactic as well as clinical lectures in medicine, surgery, pharmacology and therapeutics, obstetrics, gynecology, neurology, genito-urinary diseases, laryngology, otology, ophthalmology, dermatology, orthopedic surgery and diseases of children. During the year the work in pathological anatomy and clinical pathology is completed. The class is divided into small sections for instruction in physical diagnosis, and in the special branches of medicine and surgery at the various dispensaries and hospitals.

The student in the fourth year spends most of his time in the hospitals and dispensaries of the city. Consequently, although a few general and clinical lectures are still given, the work is almost entirely practical and bedside instruction. Divided into small groups, the students continue to come into personal contact with patients, under the supervision of the instructor. In this way they have the opportunity to become familiar with the history of a case, to make a complete physical examination, to form a diagnosis, to give a prognosis, to advise treatment, and to watch progress.

In the course in surgery the witnessing of numerous major and minor operations is supplemented by an operative course in which the student himself performs on the cadaver many of the more common operations. For an obstetrical service, the unsurpassed facilities of the Sloane Maternity Hospital offer excellent opportunities. Here the student is required to live for two weeks and personally attend a certain number of cases of labor. The course is rounded out by personal instruction in the more special branches of medicine. In these branches the student is taught how to use many instruments of precision and to recognize and treat successfully many of the rarer forms of disease.

REQUIREMENTS FOR ADMISSION

To the First-Year Class

All candidates for the degree of Doctor of Medicine must present the medical-student certificate of the Regents of the University of the

State of New York, and must have obtained the same only on the basis of one or the other of the certificates named below:

1. A certificate indicating (a) that the candidate has completed at least one full year's course of study in a college or scientific school, registered by the Regents as maintaining a satisfactory standard; (b) that he holds a bachelor's degree in arts or science, or its substantial equivalent, conferred by any registered institution in France or Spain; (c) that he is graduated from a registered gymnasium in Germany, Austria, or Russia, or has completed a course of study equivalent thereto—as, for example, a course of five years in a registered Italian ginnasio and three years in a liceo.

2. A certificate of the result of an examination conducted in June of any year by the College Entrance Examination Board, or in January or September of any year under the auspices of the Columbia University Committee on Entrance Examinations, or in part or both of these, in the subjects enumerated below. These three sets of examinations are held upon the same requirements and are substantially the same in standard administration. Candidates may forward their credentials received from either or both of these examining authorities to the Examinations Division, State of New York Education Department, Albany, N. Y., and if they aggregate the necessary 15 units will receive in exchange therefor the medical-student certificate required for admission to the College of Physicians and Surgeons. No part of the requirements which a candidate may pass will be allowed to stand to his credit for a longer period than twenty-nine months.

The examination subjects from which the candidate for admission to the College of Physicians and Surgeons in 1909-10 must make his selections are as follows. (A "unit" is regarded as being the equivalent of a course of study of five weekly periods throughout the academic year).

		COUNTING IN UNITS
The candidate <i>must</i> offer:		
English.....		3
Elementary French	}	2
or		
Elementary German	}	2
Elementary Latin (see page 176).....		
Elementary Mathematics.....		3
Elementary Physics.....		1
Inorganic Chemistry.....		1
		<hr/>
Total.....		12

The 3 additional units may be offered from the following subjects, the only restriction being that to offer an advanced subject will involve offering either at the same time or earlier, the corresponding elementary subject.

		COUNTING IN UNITS
Elementary French	}	2
or Elementary German (see above)		
Elementary Greek.....		3
Elementary History.....		2
Elementary Latin (see page 176).....		2
Botany.....		1
Drawing.....		1
Physiography.....		1
Spanish.....		2
Zoölogy.....		1
Intermediate French.....		1
Intermediate German.....		1
Advanced Greek ¹		1
Advanced History ¹		1
Advanced Latin ¹		1
Advanced Mathematics.....		1

For full definition of the above requirements and for information regarding the times and places at which entrance examinations are held, regulations regarding division of examinations, examinations outside of New York, application blank, and examination fee, see pages 169-178.

Admission with Conditions

Candidates who do not receive a grade at least C (fair—60% to 75%) in subjects amounting to at least 12 of the 15 units offered will be rejected.

Candidates who receive a grade of C (fair—60% to 75%) in subjects amounting to not less than 12 of the 15 units offered, will be admitted conditionally, under such stipulations as the Committee on Admissions of the Faculty of Medicine may impose; but, in every case, conditions imposed at entrance must be removed before the student is admitted to the second year of the course. Such candidates must submit to the Committee their credits from the College Entrance Examination Board and from the University Committee on Entrance Examinations of Columbia University on or before September 22, 1909.

Requirements for Admission beginning with the Class entering for the Session of 1910-11

All candidates must present (1) the medical-student certificate of the Regents of the University of the State of New York, and (2) also *one* of the following qualifications:

¹ Candidates will be examined in this subject only in January and September.

- (a) The completion of not less than two full years of study in an approved college or scientific school, which course must have included instruction in the elements of physics, inorganic chemistry, and biology; or
- (b) Graduation from an approved college or scientific school, or in lieu thereof a bachelor's degree in arts or science or its substantial equivalent conferred by an approved institution in Great Britain, France, or Spain, or graduation from a gymnasium in Germany, Austria or Russia, or the completion of a course of study equivalent thereto—as, for example, a course of five years in a registered ginnasio and three years in a liceo; provided that the course leading to such degree or graduation has included instruction in the elements of physics, inorganic chemistry, and biology; or
- (c) In lieu of either of the above, present such evidence as the Faculty may require, to prove exceptional fitness to undertake with advantage the study of medicine.

Advanced Standing

Admission may be granted to advanced standing at the beginning of any year. At least one full year of attendance is required of every candidate for the degree.

Candidates who have completed one or more years of study in an approved medical school, and apply for admission to advanced standing at the College of Physicians and Surgeons, will be admitted to the standing to which their record in that medical school would admit them, and be given credit for all courses satisfactorily completed therein, on presentation of proper certificates to the Committee on Admissions covering the same; provided that the candidates before beginning the study of medicine have fulfilled the requirements for admission demanded by the College of Physicians and Surgeons.

Special Students

Students desiring to do special work at the College of Physicians and Surgeons may register at any time during the year as special students. Such applicants, however, cannot subsequently become candidates for graduation without full compliance with the terms of admission and graduation.

Special students will be required to present to the Committee on Admission before entrance evidence of (a) an adequate preliminary education, and (b) special fitness for the particular work they desire to pursue.

REQUIREMENTS FOR GRADUATION

Every candidate in the four-year course will be required before admission to the degree of M.D.:

1. To present satisfactory evidence, as required by law, of good moral character, and of having attained the age of twenty-one years.
 2. To present evidence of having complied with the requirements for admission.
 3. To have attained to satisfactory standing in the required studies of the four years of the curriculum. (See table, page 213).
 4. A candidate who shall have been admitted to advanced standing will be required to have spent not less than four academic years at the studies referred to in the clause next preceding; and to have complied successfully with the requirements for admission to advanced standing.
- No two academic years which shall have begun during the same calendar year will be held to satisfy the requirements of the above clause.

The Degree of Master of Arts

The attention of students of Medicine is directed to Rule 10 of the Regulations for the Higher Degrees (page 179).

SCHOLARSHIPS, FELLOWSHIPS, AND PRIZES

(See page 431)

EQUIPMENT AND COLLECTIONS

Detailed information as to the laboratories, collections, and other facilities for study will be found in the statements of the various departments of instruction, pages 55-168, and more fully in the *Announcement of the College of Physicians and Surgeons*.

REQUIREMENTS FOR LICENSE TO PRACTICE MEDICINE IN NEW YORK STATE

For information, see the *Announcement of the College of Physicians and Surgeons*.

SUMMER SESSION IN MEDICINE

Practical courses in medicine, varying from three to six weeks in length, for the benefit of practising physicians who desire opportunities for additional study and investigation, as well as for properly qualified students of medicine and surgery, are given in June, July, and August of each year.

A general statement of the work offered will be found in connection with the statement of the Summer Session (see the Table of Contents), this volume, and a detailed announcement, showing the scope of each course, the conditions under which it is given, and the fee charged, will be sent upon application to the Secretary of Columbia University, New York City.

Students who have satisfactorily completed the practical clinical courses in this Summer Session may be excused from equivalent courses required for the degree of M.D.

COURSE OF STUDY LEADING TO THE DEGREE OF M.D.

(A much more detailed summary will be found in the special *Announcement of the College of Physicians and Surgeons*)

FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
Chemistry (Physical and Organic) 51 Anatomy 53-54, 55-56, 57-58, 66 Histology and Embryology 51-52 Physiology 100 Physiological Chemistry 102 Pharmacy, 61 <i>Examinations upon the work of the first year</i>	Anatomy 51-52, 59-60, 63-64, and 65 Physiology 108 Pathology 54 Bacteriology and Hygiene 51 Pharmacology, Materia Medica, and Therapeutics 59-60, 62, 63-64 Obstetrics 53-54 Practice of Medicine 69-70, 72 Surgery 89-90 <i>Examinations upon the work of the second year</i>	Pharmacology, Materia Medica, and Therapeutics 51, 55-56, 59, 69-70. Practice of Medicine 51-52, 55-56, 57-58, 59-60, 65-66, 67-68 Neurology 51 ¹ Surgery 51-52, 53-54, 55-56, 57-58, 59-60, 78, 79-80, 81-82, 83-84, 85-86 Obstetrics 51 Gynecology 52, 53 Genito-Urinary Diseases 51-52, 53-54, 55-56 Ophthalmology 52, 53-54, 56 Otolology 51 Diseases of Children 51-52, 55-56, 57 Clinical Pathology 52 Orthopedic Surgery 51-52 Dermatology 51-52 Laryngology 52, 53-54, 55-56 Pathological Anatomy, 55-56 <i>Examinations upon the work of the third year</i>	Pharmacology, Materia Medica, and Therapeutics 51, 53-54, 58, 71-72 Practice of Medicine 54, 55-56, 57-58, 61-62, 63-64, 73-74, 75-76, 77-78 Neurology 51, 53-54, 55-56, 58, 60 Surgery 51-52, 55-56, 59-60, 63-64, 65-66, 67-68, 69-70, 71-72, 73-74, 75-76 Orthopedic Surgery 53-54, 55-56, 57-58 Obstetrics 55-56, 57-58 Gynecology 55-56, 57-58, 59-60, 61-62 Dermatology 53-54 Diseases of Children 51, 52, 53-54, 59-60, 61-62 Laryngology 57-58 Otolology 53-54, 55-56 Clinical Pathology 53-54 Pathological Anatomy 53-54 <i>Examinations upon the work of the fourth year</i>

¹In all subjects which are not completed in a single year, the instruction offered to a given student is different each year.

Consult the departmental statements (pp. 55-168) for:

- (1) The scope of each course, the number of hours required for it, and the instructors giving it;
- (2) Information regarding the courses open to special (graduate) students in medicine;
- (3) Courses which may be counted towards the degrees of A.M. and Ph.D.

REGISTER OF STUDENTS

School of Medicine

FOURTH YEAR—CLASS OF 1909

ABRONS, HARRY.....	New York City
ADAMS, PHINEAS HILLHOUSE, A.B. Harvard 1905.....	New York City
ALFORD, ALEXANDER ECKEL BRYAN.....	Greensboro, N. C.
AMES, JAMES SIDNEY, Ph.B. Wesleyan 1905.....	Binghamton, N. Y.
AYRES, DANIEL ROE, A.B. Harvard 1905.....	Montclair, N. J.
BENDICK, ARTHUR JEROME.....	Tompkinsville, N. Y.
BENTON, NELSON KINGSBURY, A.B. 1906.....	Newark, N. J.
BLOCK, ALVIN PHILLIPS.....	New York City
BLUM, HUGO.....	New Brunswick, N. J.
BRADSHAW, WILLIAM M., A.B. Princeton 1905.....	New York City
BULKLEY, KENNETH, A.B. 1906.....	New York City
BURNAP, SIDNEY ROGERS, A.B. Yale 1905.....	Windsor Locks, Conn.
CAMPBELL, FRANCIS WILLIAM, A.B., 1904, A.M. St. John's, Brooklyn, 1905.....	Brooklyn, N. Y.
CASEY, JOHN FRANCIS.....	New London, Conn.
CHILD, FRANK SAMUEL, JR., Ph.B. Hamilton 1903, Ph.M. 1906.....	Fairfield, Conn.
COHN, SIDNEY, A.B. C. C. N. Y. 1905.....	New York City
COWHERD, JOSEPH BIRD, B.S. Centre College, Ky., 1905.....	Shelbyville, Ky.
DIK, SELIM HANNA, A.B. Syrian Protestant College 1904.....	Damascus, Syria
DONOVAN, TIMOTHY FRANCIS.....	Buffalo, N. Y.
ECHEVERRIA, FREDERICK JOHN, A.B. 1905.....	New York City
EHRENREICH, SAMUEL.....	New York City
ELLIOTT, EDSALL DUBOIS, A.B. 1906.....	Catskill, N. Y.
EMSHEIMER, HERBERT, A.B. 1906.....	Wheeling, W. Va.
ENGLISH, JOHN THEODORE, Ph.B. Lafayette 1905.....	Elizabeth, N. J.
EVANS, EDWARD RICHARD, A.B. Hamilton 1905.....	Remsen, N. Y.
EVANS, JOHN HINMAN, A.B. 1906.....	Montclair, N. J.
FAUVER, EDGAR, A.B. Oberlin 1899.....	Oberlin, Ohio
FAUVER, EDWIN, A.B. Oberlin 1899.....	Oberlin, Ohio
FINDEISEN, WILLIAM ERNEST.....	Brooklyn, N. Y.
FOSHAY, JOHN RUSSELL.....	Peekskill, N. Y.
FOWLER, ROBERT HENRY, A.B. 1906.....	New York City
FULTON, CLIFFORD HARRY, A.B. Williams 1905.....	New Rochelle, N. Y.
GOSSETT, ABRAHAM JOSEPH.....	New York City
HALE, FRARAY, JR., B.S. Amherst 1905.....	Wallingford, Conn.
HEATON, DWIGHT RUGGLES PERRY, A.B. Yale 1906.....	New York City
HEWITT, RALPH HALLADAY, A.B. Amherst 1905.....	New London, Conn.
HOFHEIMER, ALEXANDER, A.B. C. C. N. Y. 1905.....	New York City
HYDE, CLARENCE ELMER, A.B. Stanford 1905.....	Cupertino, Cal.
JANVRIN, EDMUND RANDOLPH PEASLEE, A.B. Princeton 1905.....	New York City
JOHNSON, WILLIAM CLINTON, A.B. WILLIAMS 1905.....	Summit, N. J.
KELLS, OAKFORD ALLAN, M.D.....	Sauk Centre, Minn.
Med. Dept. Hamline Univ. Minn. 1908	
KRAUSS, FLETCHER IRVIN, A.B. 1906.....	East Orange, N. J.
KUTSCHER, SAMUEL, Ph.G., Ph.C. 1905 N. Y. Coll. of Phar'y.....	Stapleton, N. Y.

LANCER, JOHN JOSEPH.....	New York City
LA VAKE, RAE THORNTON, A.B. Yale 1905.....	Cranford, N. J.
LAVANDERA, MIGUEL.....	Madrid, Spain
LYMAN, GEORGE DUNLAP, A.B. Stanford 1905.....	Los Angeles, Cal.
MANDEVILLE, FRANK NESLER, Ph.B. Brown 1905.....	Newark, N. J.
MATTHEWS, HARVEY BURLSON, B.Sc. Univ. of Texas 1905.....	Austin, Texas
MAYER, LEO, A.B. Harvard 1905, A.M. 1906.....	New York City
MCDONALD, JOHN OLIVER, A.B. Princeton 1905.....	Englishtown, N. J.
MORRIS, DUDLEY HENRY, A.B. 1905.....	New York City
MOTT, WALTER WESLEY, A.B. 1905.....	New York City
OLSAN, HIRAM, Ph.B. Univ. Rochester 1905.....	Rochester, N. Y.
PARDEE, HAROLD ENSIGN BENNETT, A.B. 1906.....	New York City
PATON, FRED WADE, A.B. Hamilton 1905.....	Bradford, Pa.
POPPER, JOSEPH.....	New York City
RAINSFORD, LAURENCE FREDERICK, A.B. Harvard 1904.....	New York City
RANSON, ALONZO AINSWORTH, A.B. Rutgers 1901, A.M. 1904.....	Havana, Ill.
RICHARDSON, CHARLES HYATT, JR., Ph.B. Emory 1904.....	Montezuma, Ga.
ROSENBLUM, JACOB, B.S. Western Univ. Penn. 1905.....	Braddock, Pa.
ROSENSTERN, MEYER, B.S. C. C. N. Y. 1901.....	New York City
ROSENTHAL, LEO, BROOKS, A.B. 1906.....	New York City
SCHAE, MILTON.....	New York City
SHANLEY, THOMAS JAMES BARTLEY.....	New Haven, Conn.
SMITH, FRANK CARLIER.....	Brooklyn, N. Y.
ST. JOHN, FORDYCE BARKER, B.S. Princeton 1905.....	Hackensack, N. J.
STEINER, STANLEY HAROLD, A.B. 1906.....	New York City
STORK, VICTOR EYTINGE, A.B. Stanford 1905.....	Seattle, Wash.
STUART, FRANCIS IGNATIUS, M.D. Creighton Med. Coll., Neb., 1908.....	Walnut, Iowa
SULLIVAN, ARTHUR GEORGE.....	Eau Claire, Wis.
VIÑA, TOMAS ANTONIO Y ALMAZAN.....	Santiago de Cuba, Cuba
WADE, SIMON FRANKLIN, A.B. Princeton 1905.....	Hackettstown, N. J.
WALTHER, JOHN WOODWARD.....	Astoria, N. Y.
WARDNER, DREW MALLON.....	Pelham Manor, N. Y.
WEST, DAVENPORT, A.B. Princeton 1905.....	Galveston, Texas
WIESELTHIER, MAURICE LOUIS, A.B. C. C. N. Y. 1905.....	New York City
WILKERSON, FRED WOOTEN.....	Montgomery, Ala.
WILLIAMS, KENWAY THOMAS, M.R.C.S. (Eng.), L.R.C.P. (London)....	New York City
WRONKER, BENNO MAURICE, A.B. 1906.....	New York City
YERGASON, ROBERT MOSELEY.....	Hartford, Conn.
ZIMMERMANN, HARRY BERNARD.....	St. Paul, Minn.
Fourth Year—Class of 1909.....	82

THIRD YEAR—CLASS OF 1910

ARENA, JOHN, Ph.G. N. Y. Coll. of Phar. 1904.....	New York City
BAUMANN, OSCAR ISRAEL, A.B. C. C. N. Y. 1906.....	New York City
BECK, SOLOMON.....	Slutzk, Russia
BELL, HAROLD KENNEDY, A.B.....	Flushing, N. Y.
BELLER, ABRAHAM JACOB, B.S. C. C. N. Y. 1906.....	New York City
BENDER, THEODORE.....	Paterson, N. J.
BIBBY, HARRY LAMBERT.....	Paterson, N. J.
BLABER, MURTHA PAUL, A.B. St. Francis 1906.....	Brooklyn, N. Y.
BLUM, JULIUS, A.B. 1906.....	New York City
BROWN, FREDERICK LANE, A.B. Princeton 1905.....	Somerville, N. J.
CAMPUS, ELLIS, B.S. C. C. N. Y. 1906.....	New York City
COHEN, HAROLD AARON, B.S. C. C. N. Y. 1906.....	New York City
COHEN, SAMUEL, A.B. C. C. N. Y. 1906.....	New York City
COLE, PHILIP GILLET.....	Helena, Mont.

COUCH, VANDER FRANKLIN, B.S. Wake Forest College 1908.....	Greensboro, N. C.
DEVENDORF, FREDERICK CHRISTOPHER, B.S.....	Herkimer, N. Y.
St. Lawrence University 1905	
DIETERICH, FREDERICK HENRY.....	New York City
DONNELLY, JOSEPH EDWARD, A.B. St. Francis Xavier 1903.....	New York City
DUPIN, EUGENE A., Phar.D. N. Y. Coll. of Phar. 1904.....	New York City
EVERINGHAM, SUMNER, A.B. Kansas State Univ. 1907.....	Topeka, Kansas
FALKOWITZ, HENRY CHARLES.....	New York City
FELDSTEIN, GEORGE MOSES.....	Kholmsk, Russia
FORD, JAMES SMITH.....	Newark, N. J.
FREEMAN, ANTHONY CURT, A.B. Stanford 1906.....	Chicago, Ill.
FRIEDSON, MORRIS, A.B. C. C. N. Y. 1902.....	New York City
FUHRMAN, HERMAN CHARLES.....	Brooklyn, N. Y.
FURMAN, BENJAMIN APPEGATE, A.B. Princeton 1906.....	Newark, N. J.
GOLDBERG, VICTOR, B.S. C. C. N. Y. 1906.....	New York City
GOODFRIEND, HARRY.....	New York City
GOTTLIEB, ABRAHAM.....	Riga, Russia
HENES, EDWIN, JR., A. B. 1907.....	New York City
HILDRETH, WILLIAM WARREN, A.B. Princeton 1906.....	Southampton, L. I.
HOYT, RANDAL EDWARD, B.S. Princeton 1905.....	St. Louis, Mo.
HUBBARD, THOMAS BRANNON, A.B. Washington and Lee 1906.....	Montgomery, Ala.
ILL, EDGAR ALEXANDER, B.S. Princeton 1906.....	Newark, N. J.
JACKSON, JAMES ALBERT, JR.....	Madison, Wis.
KEYES, HAROLD BROWN, A.B. Yale 1908.....	Hartford, Conn.
LEBENDIG, ABRAHAM.....	Rochester, N. Y.
LEMMON, WILLIAM GLADSTONE, B.S. Oklahoma Univ. 1908.....	Nardin, Oklahoma
LINDSAY, MERRILL KIRK.....	Topeka, Kan.
LONG, WILLIAM BAYARD.....	Spring Lake, N. J.
MCALPIN, KENNETH ROSE, A.B. Princeton 1905, A.M. 1906.....	Ossining, N. Y.
MCBURNAY, MALCOLM, A.B. Harvard 1906.....	New York City
MCCREERY, JOHN ALEXANDER, A.B. Harvard 1906, A.M. 1907.....	New York City
MARTLAND, RALPH, A.B.....	Newark, N. J.
MIXSELL, HAROLD RUCKMAN, A.B. Princeton 1906.....	Easton, Pa.
MOORE, FRANCIS WILLIAM, JR.....	Brooklyn, N. Y.
NEERGAARD, ARTHUR EDWIN, A.B. Yale 1904.....	Concord, N. H.
PASCALE, VINCENTO.....	New York City
PERKINS, EDWARD CARTER, A.B. Yale 1898.....	Yonkers, N. Y.
POLL, DANIEL, A.B. 1908.....	Brooklyn, N. Y.
PORTER, EDWARD EVELYN, A.B.....	New York City
REED, HOWARD BECK, B.S. Princeton 1906.....	Seabright, N. J.
REIDY, MAURICE JOSEPH.....	Winsted, Conn.
RIDGE, FRANK ISAAC.....	Kansas City, Mo.
ROSENBAUM, CHARLES.....	New York City
ROSS, CARL THORBURN, A.B. Stanford 1906.....	Astoria, Ore.
*SANFORD, CHARLES HENRY.....	New York City
SWEENEY, MORRIS MOTT, B.S. Colgate 1903.....	Hamilton, N. Y.
SWICK, DAVID AARON, B.S. C. C. N. Y. 1899.....	New York City
SWIFT, PERCY EDWARD.....	New York City
TERRY, ARTHUR HUTCHINSON, JR. A.B. Yale 1906.....	Patchogue, L. I.
TOOKER, NORMAN BROWN, A.B. Princeton 1906.....	East Orange, N. J.
UTTER, HENRY EDWIN, A.B. Amherst 1906.....	Westerly, R. I.
VAN ETEN, ROYAL CORNELIUS, A.B. Amherst 1906.....	Rhinebeck, N. Y.
WARREN, EDMUND LEVINGS.....	St. Paul, Minn.
WEBSTER, DAVID HENRY, A.B. Acadia 1906.....	Cambridge Station, Nova Scotia
WEINGART, JULIUS SHAW, A.B. Tarkio 1905.....	Clearfield, Iowa

* Name changed by Judge Brady, N. Y. Supreme Court.

WIENER, HERBERT JOSEPH, A.B. Harvard 1906.....	New York City
WILDS, ROBERT HENRY, B.S. South Carolina College 1904.....	Columbia, S. C.
WORCESTER, JAMES NEWBIGIN, A.B. Amherst 1906.....	Bloomfield, N. J.
Third Year—Class of 1910.....	71

SECOND YEAR—CLASS OF 1911

ACKERMAN, STEPHEN HULBERT, JR., A.B. Harvard 1907.....	Brooklyn, N. Y.
ALEXANDER, HUGO, B.S. New York University 1907.....	Hoboken, N. J.
ALLING, FREDERIC AUGUSTUS, B.S. Princeton 1907.....	Newark, N. J.
ANDERTON, WALTER PALMER, A.B. Harvard 1908.....	New York City
ASHE, JOHN RAINEY, B.S. S. C. Military Academy 1902.....	Yorkville, S. C.
BARBER, WILLIAM HOWARD.....	Brooklyn N. Y.
BECK, DAVID.....	New York City
BESSIE, ABRAHAM, A.B. 1908.....	Wahpeton, N. D.
BISCH, LOUIS EDWARD, A.B. 1907.....	Brooklyn, N. Y.
BRUCKHEIMER, RALPH MONROE.....	New York City
CHENEY, CLARENCE ORION, A.B. 1908.....	New York City
CHILIAN, STEPHEN A.....	New York City
COBB, JAMES LIVINGSTON.....	Brooklyn, N. Y.
COBB, WALTER FRANK, Bach. of Physical Education.....	Attleboro, Mass.
COHEN, IRA.....	New York City
COMBES, ABBOTT CARSON, JR.....	Elmhurst, L. I.
DEBON, AMÉDÉE JOSEPH.....	Paris, France
DE PASSE, ALFRED BERNARD CAMILLE.....	New York City
DUSTIN, EDGAR GERALD.....	Saranac Lake, N. Y.
EASTMAN, FRED WARD, A.B. University of Mo. 1907.....	Kansas City, Mo.
EISLER, SAMUEL.....	New York City
ERNST, EDWARD CRANCH.....	Chicago, Ill.
GOODWIN, GEORGE MUNRO.....	Tompkinsville, N. Y.
GRACE, RODERICK VINCENT, A.B. C. C. N. Y. 1904.....	New York City
GRAY, JOHN WESLEY.....	Maine, N. Y.
HALL, FAIRFAX, Ph.B. Yale 1907.....	Binghamton, N. Y.
HALSTED, HARBECK.....	Greeley, Colorado
HERZFELD, MELVIN GUSTAV.....	New York City
HEYWARD, NATHANIEL BARNWELL, A.B. University of S. C. 1907.....	Columbia, S. C.
HILL, JAMES FITTS.....	Montgomery, Ala.
HOBBS, AUSTIN LATTING, A.B. Princeton 1907.....	East Orange, N. J.
KLEIN, GROVER CLEVELAND, B.S. Austin (Texas) College 1906.....	Sherman, Texas
KNAPP, ROBERT PHINEAS.....	Saratoga Springs, N. Y.
LANGWORTHY, HOWARD TRACY.....	West Edmeston, N. Y.
LEVIN, LOUIS ABE OSCAR.....	New York City
LEWIS, FRED RAYMOND, Ph.B. University of Rochester 1907.....	Charlotte, N. Y.
LOPEZ, ENRIQUE ALONZO, A.B. University of Salamanca, Spain.....	Valladolid, Spain
LYNCH, KEVIN DAVID, A.B. St. Peter's College, N. J., 1907.....	West Hoboken, N. J.
McCHESNEY, PAUL ELY, A.B. Yale 1907.....	Greenwich, Conn.
McKINLAY, CHARLES MILES, A.B., 1907.....	Tenafly, N. J.
MACGUIRE, CONSTANTINE JOSEPH, JR., A.B. Yale 1907.....	New York City
MAFFUCCI, MAURI, B.S. N. Y. University 1907.....	Irvington-on-Hudson, N. Y.
MILLER, HYMAN RUDOLPH, B.S.....	Brooklyn, N. Y.
MOUNT, GUY, A.B. University of Oregon 1907.....	Silverton, Oregon
O'CONOR, JOSEPH AUGUSTINE.....	New York City
PAFFARD, HOWARD THOMAS, A.B. Williams 1907.....	Southport, Conn.
PETERSEN, LEO SMITH.....	New York City
PHIPPS, HOWARD MORTON, A.B. Colgate 1907.....	East Rockaway, N. Y.
PRATT, EDWARD LEANDER, A.B. Yale 1907.....	Lewiston, Me.
ROBERT, DANIEL RUTGERS, Litt.B. Princeton 1907.....	Brooklyn, N. Y.

ROBINSON, LEWIS BYRNE, A.B. Harvard, 1907.....	Oyster Bay, L. I.
ROTHSCHILD, MARCUS ADOLPHUS, A.B.....	Woodville, Miss.
SCHROEDER, LOUIS CLAUSEN.....	New York City
SCOTT, FREDERICK WILSON, A.B. Rutgers 1907.....	New Brunswick, N. J.
SHAPIRO, ISIDOR F.....	New York City
SHEINMAN, LOUIS.....	New York City
STEHL, HARRY JACOB.....	New York City
STOWELL, DAVID DUDLEY, A.B. Colgate 1907.....	New York City
SULLO, NICHOLAS ALFRED.....	New York City
SUMNER, CYRIL, A.B. Yale 1907.....	Rochester, N. Y.
VIETOR, JOHN ADOLF, A.B. Yale 1907.....	New York City
WARD, MARK HOPKINS, A.B. Amherst 1906.....	Medford, Mass.
WURTHMANN, JOHN WILLIAM, Phar.D. N. Y. Coll. of Pharmacy 1906.....	New York City
Second Year—Class of 1911.....	59
Seniors from Columbia College.....	4

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FIRST YEAR—CLASS OF 1912

ADEE, DANIEL DEMAREST.....	Brooklyn, N. Y.
ARMSTRONG, DONALD BUDD, Ph.B. Lafayette College 1908.....	Easton, Pa.
ARONOWITZ, GREGORY.....	Brooklyn, N. Y.
ASCHNER, PAUL WILLIAM (Junior Columbia College).....	Brooklyn, N. Y.
BAKER, ELMER WAYNE, A.B. Princeton 1908.....	Jamaica, N. Y.
BARRETT, PAUL SYDNEY.....	Brooklyn, N. Y.
BEARD, JAMES WILEY.....	Troy, Ala.
BELDEN, FRANK MILTON, B.S. Amherst, 1895.....	Brooklyn, N. Y.
BISHOP, FRANK WARNER (Junior Columbia College).....	New York City
BLEIER, EDWARD, B.S. C. C. N. Y. 1908.....	New York City
BORTONE, FRANK.....	Newark, N. J.
BRIM, CHARLES.....	New York City
CARBER, FRANK HOUGH.....	Newton, N. J.
CASSASA, CHARLES STEPHEN BARTHOLOMEW, A.B., St. John's, Fordham, 1908.....	Long Island City, N. Y.
COLLICA, SALVATORE, Dr. Nat. Science, Italy 1905, Ph. Chem. N. Y. Coll. Phar. 1907.....	New York City
CHODACK, HARRY SODDE.....	New York City
CONKEY OGDEN FETHERS, A.B. St. Lawrence Univ. 1908.....	Canton, N. Y.
COOPER, FREDERICK STURGES (Junior Columbia College).....	Mount Vernon, Ohio
COULTER, CALVIN BREWSTER, A.B. Williams 1907, A.M. Princeton, 1908.....	Chicago, Ill.
CRANE, WALTER RAYMOND, B.S. Occidental College, 1908.....	Los Angeles, Cal.
CROUZE, ALBERT PIERRE (Junior Columbia College).....	Bayside, N. Y.
CUTLER, CONDUCT WALKER, JR. (Junior Columbia College).....	New York City
DOOMAN, PAUL AUGUSTINE.....	New York City
DUBOFF, WILLIAM SAMUEL.....	Brooklyn, N. Y.
FISHER, LEON GABRIEL.....	New York City
FRANKLIN, ISADOR HAROLD.....	Jersey City, N. J.
GEROW, AULDER LEOPOLD, A.B. Univ. of N.B. 1908.....	Frederickton, N. B.
GILDERSLEEVE, JOHN ANDREW, A.B. Amherst 1908.....	Mattituck, N. Y.
GITLOW, SAMUEL.....	Astoria, N. Y.
GOLDMAN, SAMUEL.....	Brooklyn, N. Y.
GROOVER, ROBERT OVERTON.....	Jacksonville, Fla.
HAAKE, CHARLES HENRY GRUBE.....	New York City
HALPERN, THEODORE, A.B. C. C. N. Y. 1908.....	New York City
HEAGEY, FRANCIS WENGER, A.B. Princeton, 1908.....	Cochranville, Pa.
HIBBS, DAVID LACY, A.B. William Jewell, A.M. Brown 1908.....	Williamsburg, Ky.
HERRING, HAROLD MANDEVILLE.....	Asbury Park, N. J.

IRVIN, JOHN SHEPHERD, A.B. Harvard, 1908.....	Philadelphia, Pa.
JENNINGS, EDWARD ALLEN, Ph.B. Wesleyan Univ., 1907.....	New York City
KANTOR, JOHN LEONARD, A.B. Columbia 1908.....	New York City
KATZ, SYDNEY MILTON.....	Brooklyn, N. Y.
KEIL, GEORGE WILLIAM.....	New Rochelle, N. Y.
KELLOGG, WM. ALVIN, A.B. Columbia 1908.....	New York City
KENNEDY, ROBERT HAYWARD, A.B. Amherst 1908.....	New York City
KLAUS, HENRY.....	Jersey City, N. J.
KNAPP, CHARLES WHITTEMORE, A.B. Yale 1908.....	Poughkeepsie, N. Y.
KRONMAN, DAVID EDWARD (Junior Columbia College).....	Brooklyn, N. Y.
LAWSING, GEORGE CONDÉ, A.B. Rutgers 1908.....	Linlithgo, N. Y.
LIEBMAN, LESTER MYRON.....	New York City
LISS, IRVING EDWARD.....	New York City
McCOURT, JAMES ARTHUR, A.B. St. Joseph's Coll., N. B., 1906.....	St. John, N. B.
McCROKEN, JOHN JOSEPH.....	New York City
McLEAN, EDWARD HUNTINGTON, A.B. Princeton 1908.....	Grant's Pass, Oregon
McMARTIN, WALKER, B.S. Hamilton, 1908.....	Johnstown, N. Y.
MANHEIMS, PERRY JEFFERSON.....	New York City
MENDELSON, ABRAHAM.....	New York City
MILLS, JOHN MAPLE, M.E. Agricultural and Mechanical College.....	Raleigh, N. C.
MOUNT, FRANK REID, A.B. Univ. of Oregon 1908.....	Olympia, Wash.
MURRAY, CLAY RAY.....	New York City
MURRAY, HARRY FREELING.....	Narrowsburg, N. Y.
MURRAY, VANCE BISHOP.....	Fordham, N. Y.
NAMMACK, CHARLES HALPIN (Senior Columbia College).....	New York City
NILSON, SIEGFRIED JOHANNES.....	New York City
O'REILLY, JAMES ALOYSIUS.....	New York City
O'REILLY, VINCENT LAWRENCE, A.B. Fordham 1908.....	New York City
PAKAS, MANFRED ARNOLD.....	New York City
PEARCE, GEORGE GIRDWOOD.....	New Bedford, Mass.
PICKHARDT, OTTO CARL, A.B. Yale 1908.....	New York City
RAGAN, WILLIAM EUGENE, JR., A.B. Univ. of Ga. 1904.....	Atlanta, Ga.
RAVICH, ABRAHAM, A.B. C. C. N. Y. 1908.....	Aqueduct, L. I., N. Y.
RILEY, HENRY ALSOP, A.B. Yale 1908.....	New York City
ROSENZWEIG, SAMUEL BERNARD.....	New York City
ROSS, SAMUEL BOYD.....	Du Bois, Pa.
ROTH, LEO (LIPÓT).....	Budapest, Hungary
SCHWARTZ, ALFRED ALEXANDER.....	New York City
SHLIMBUM, SOLOMON.....	New York City
SIDBURY, JAMES BUREN, A.B. Trinity, N.C., 1908.....	Holly Ridge, N. C.
SIEGEL, THEODORE MORRIS, B.S. C.C. N. Y. 1902.....	New York City
SIMON, MORRIS.....	Passaic, N. J.
SIROTINSKY, BARNETT.....	New York City
SMITH, MARTIN DeFOREST (Senior Columbia College).....	Kingston, N. Y.
SOLOMON, IRWIN LEAVY, A.B. C. C. N. Y. 1906.....	New York City
SOLOMON, SIGMUND.....	Brooklyn, N. Y.
STEINMETZ, FREDERICK CHARLES (Senior Columbia College).....	New York City
STOUT, ARTHUR PURDY, A.B. Yale 1907.....	New York City
SWIFT, SAMUEL, A.B. Yale 1908.....	New York City
THOMPSON, LAURANCE MILLS.....	New York City
UNGER, ABRAHAM, B.S. C. C. N. Y. 1908.....	New York City
VAN KLEECK, EUEN (Junior Columbia College).....	New York City
WARD, DELANCEY WALTON, Ph.B., Ph.D. Columbia.....	Flushing, N. Y.
WEEKS, WEBB WILLIAM (Junior Columbia College).....	Corry, Pa.
WEILD, DAVID, JR.....	Brooklyn, N. Y.
WELLINGTON, HAROLD WENTWORTH.....	East Braintree, Mass.

WHITE, CHARLES CARROLL.....	Utica, N. Y.
WHITE, WM. CRAWFORD, B.S. Wesleyan Univ. 1908.....	Hoboken, N. J.
WHITMAN, ARMITAGE, A.B. Harvard 1908.....	New York City
WILDMAN, HENRY VALENTINE, JR. (Junior Columbia College).....	New York City
First Year—Class of 1912.....	84
Juniors and Seniors from Columbia College.....	12
	<u>96</u>

NON-MATRICULATED STUDENTS

GOECKEL, HENRY JOSEPH, Phar.D.....	Van Ness, N. Y.
HAUGHWOUT, FRANK GODDARD.....	Orange, N. J.
HEIMROD, GEORGE WILLIAM, A.B., A.M., Ph.D. Harvard.....	New York City
Non-matriculated.....	3

SUMMARY

Fourth Year—Class of 1909.....	82
Third Year—Class of 1910.....	71
Second Year—Class of 1911.....	63
First Year—Class of 1912.....	84
Non-matriculated (Special Students).....	3
	<u>303</u>
Juniors and Seniors from Columbia College.....	12
Total.....	315

THE SCHOOLS OF MINES, ENGINEERING, AND CHEMISTRY

The Faculty of Applied Science

Officers of the Faculty

FREDERICK ARTHUR GOETZE, M.Sc.	<i>Dean and ex-officio Member of the University Council</i>
IRA H. WOOLSON, E.M.	<i>Secretary</i>
HENRY S. MUNROE, E.M., Ph.D., Sc.D. (Term expires 1910)	<i>Elected Delegate to the University Council</i>
MARSTON T. BOGERT, A.B., Ph.B. (Term expires 1911)	<i>Elected Delegate to the University Council</i>

Standing Committees

COMMITTEE ON PROGRAM OF STUDIES: The Dean (Chairman), Professors Van Amringe, Peele, Lovell, Sever.

COMMITTEE ON ADMISSIONS: Professors Mayer (Chairman), Pfister, Sherman, Black and Rautenstrauch.

The Faculty

NICHOLAS MURRAY BUTLER, Ph.D., LL.D. (Cantab.), Litt.D. (Oxon.),	<i>President</i>
FREDERICK A. GOETZE, M.Sc.	<i>Dean</i>
J. HOWARD VAN AMRINGE, Ph.D., L.H.D., LL.D.	<i>Professor of Mathematics</i>
CHARLES F. CHANDLER, Ph.D., M.D., LL.D., Sc.D.	<i>Mitchill Professor of Chemistry</i>
HENRY S. MUNROE, E.M., Ph.D., Sc.D.	<i>Professor of Mining</i>
ALFRED J. MOSES, E.M., Ph.D.	<i>Professor of Mineralogy</i>
JAMES F. KEMP, E.M., Sc.D.	<i>Professor of Geology</i>
ROBERT PEELE, E.M.	<i>Professor of Mining</i>
WILLIAM HALLOCK, Ph.D.	<i>Professor of Physics</i>
FRANCIS B. CROCKER, E.M., Ph.D.	<i>Professor of Electrical Engineering</i>
MICHAEL I. PUPIN, Ph.D., Sc.D.	<i>Professor of Electro-Mechanics</i>
WILLIAM H. BURR, C.E.	<i>Professor of Civil Engineering</i>
THOMAS SCOTT FISKE, Ph.D.	<i>Professor of Mathematics</i>
HAROLD JACOBY, Ph.D.	<i>Rutherford Professor of Astronomy</i>
HENRY M. HOWE, A.M., B.S., LL.D.	<i>Professor of Metallurgy</i>
CHARLES E. PELLEW, E.M.	<i>Adjunct Professor of Chemistry</i>

EARL B. LOVELL, C.E.....	<i>Professor of Civil Engineering</i>
GEORGE FRANCIS SEVER, M.Sc.....	<i>Professor of Electrical Engineering</i>
JAMES MACLAY, C.E., Ph.D.....	<i>Professor of Mathematics</i>
MARSTON TAYLOR BOGERT, A.B., Ph.B.....	<i>Professor of Organic Chemistry</i>
J. LIVINGSTON RUTGERS MORGAN, Ph.D.....	<i>Professor of Physical Chemistry</i>
AMADEUS W. GRABAU, S.D.....	<i>Professor of Palæontology</i>
RALPH EDWARD MAYER, C.E.....	<i>Adjunct Professor of Mechanical Drawing</i>
IRA H. WOOLSON, E.M.....	<i>Adjunct Professor of Civil Engineering</i>
CASSIUS JACKSON KEYSER, Ph.D.....	<i>Adjunct Professor of Mathematics</i>
HERSCHEL C. PARKER, Ph.B.....	<i>Adjunct Professor of Physics</i>
GEORGE L. MEYLAN, A.M., M.D.....	<i>Adjunct Professor of Physical Education</i>
LEA MCILVAINE LUQUER, Ph.D.....	<i>Adjunct Professor of Mineralogy</i>
JAMES S. C. WELLS, Ph.D...	<i>Adjunct Professor of Analytical Chemistry</i>
¹ JOSEPH C. PFISTER, A.M... ..	<i>Adjunct Professor of Mechanics</i>
HENRY CLAPP SHERMAN, Ph.D.....	<i>Professor of Organic Analysis</i>
ALBERT P. WILLS, Ph.D.....	<i>Adjunct Professor of Mechanics</i>
SAMUEL A. TUCKER, Ph.B.....	<i>Adjunct Professor of Electro-Chemistry</i>
ADOLPH BLACK, C.E.....	<i>Adjunct Professor of Civil Engineering</i>
CHARLES E. LUCKE, M.S., Ph.D.....	<i>Professor of Mechanical Engineering</i>
WALTER RAUTENSTRAUCH, M.S.....	<i>Professor of Mechanical Engineering</i>
WILLIAM CAMPBELL, Ph.D., Sc.D...	<i>Adjunct Professor of Metallography</i>
EDWARD LAWRENCE KURTZ, E.M.....	<i>Adjunct Professor of Mining</i>
CARLTON C. CURTIS, Ph.D.....	<i>Adjunct Professor of Botany</i>
ARTHUR L. WALKER, E.M.....	<i>Professor of Metallurgy</i>

For other officers of instruction see pages 18-28

COURSES

The Faculty of Applied Science has charge of the following schools:

The SCHOOL OF MINES, with four-year courses leading to the degrees of Engineer of Mines and Metallurgical Engineer.

The SCHOOLS OF ENGINEERING, with four-year courses in Civil Engineering, Electrical Engineering, and Mechanical Engineering, the first two leading to the degree of Civil Engineer, and the others to the degree of Electrical Engineer and Mechanical Engineer, respectively.

The SCHOOL OF CHEMISTRY, with four-year courses leading to the degrees of Chemist and Chemical Engineer.

¹ Absent on leave, 1908-09

These courses are intended to meet the requirements of the several professions indicated. Many of the courses permit a certain amount of specialization, particularly in the fourth year.

ADMISSION

The Committee on Admissions of the Schools of Mines, Engineering, and Chemistry has charge of all matters relating to this subject. Candidates for admission to the first-year class should be at least eighteen years of age at the time of matriculation. (For further regulations see Admission to Columbia College, page 187.)

Collegiate Preparation Recommended

The liberal training offered by the preliminary Collegiate Course is quite as important to engineers, metallurgists, and chemists as to lawyers, physicians, or clergymen, and is strongly recommended by the Faculty of Applied Science. This, however, does not and should not involve a residence of eight years in college and technical school before a candidate receives the professional degree.

A graduate of any good college who has selected his course with reference to future work in applied science is able to complete the requirements for a degree in the Schools of Mines, Engineering, and Chemistry in less than four years after receiving the Bachelor's degree. The opportunities for close articulation between Columbia College and these schools are particularly good.

Requirements for Admission for Students without Collegiate Preparation

Every candidate must offer at the entrance examination (see below) subjects amounting to fifteen "units." A unit represents a course of five periods a week for one year in the secondary school.

The candidate *must* offer:

COUNTING IN UNITS

Chemistry.....	1	
Drawing.....	1	
Elementary French	}.....	2
<i>or</i>		
Elementary German		
English.....	3	
Mathematics.....	4	
Physics.....	1	

and three units from the following, subject to the restriction that to offer an advanced subject will involve offering either at the same time or earlier the corresponding elementary subject:

Elementary German	}	<i>see above</i>	2 units
or			
Elementary French			
Elementary Spanish		2	"
Elementary Latin (see page 176)		2	"
Intermediate French		1	unit
Intermediate German		1	"
Ancient History		1	"
Modern and Mediæval History		1	"
American History		1	"
English History		1	"
Botany		1	"
Physiography		1	"
Shopwork		1	"
Zoölogy		1	"

All candidates for degrees of Engineer of Mines, Metallurgical and Chemical Engineer or Chemist, are recommended to offer Elementary and Intermediate German.

Admission to Advanced Standing

Candidates for admission from other universities or colleges, and those desiring to be admitted to advanced standing on examination, should make application as early as possible in writing to the Chairman of the Committee on Admission of the Schools of Mines, Engineering and Chemistry.

The application should be accompanied by:

1. A catalogue of the institution for work in which credit is desired. The courses which the candidate has completed must be distinctly marked in this catalogue.
2. Properly certified official statements of his standing in the subjects which he offers.
3. Letters or other evidence vouching for his character and honorable dismissal from the institution from which he comes.

Each candidate for a degree seeking admission to advanced standing must show that he has attained proficiency in the equivalents of:

1. The requirements for admission to the first-year class.
2. All the prescribed studies already pursued by the class to which he seeks admission.

A candidate may be admitted notwithstanding deficiencies in some of these studies, but no candidate will be recommended for a professional degree until he shall have completed all the studies required for that degree.

No applicant will be allowed to enter the fourth-year class as a candidate for a degree after October 15 in any year.

The Committee on Admission will notify the candidate by mail at the address¹ given in his letter what courses, of those offered, are accepted as equivalent to courses at Columbia University. The Committee gives credit for complete courses only. In cases where the work previously done by the candidate has not been accepted by the Committee, the candidate may present himself for examination during the week immediately preceding the opening of the University (in 1909, September 14-19,) at the times and places at which the regular fall examinations are held. When no examination is scheduled for the course at this time, the candidate may present himself at the office of the Dean, who will arrange for the necessary examination. The schedule of fall examinations is to be obtained from the Registrar. A fee of \$5 is charged for these examinations, to all applicants who do not take them at the regular time.

It is suggested that candidates deficient in one or more entrance subjects in June, or who desire to make up first and second year subjects, arrange to take courses in them in the Summer Session of Columbia University, beginning on July 7, 1908, the Announcement of which will be sent upon application to the Secretary of the University.

Admission to Special Courses

Graduates of the Schools of Mines, Engineering, and Chemistry, and of other institutions of equal grade may pursue any subjects taught in the schools for which they are properly qualified.

Persons of mature age who are not graduates, but who show special qualifications, are sometimes permitted to pursue special courses, but this permission is not given to others. (For the general regulations as to non-matriculated students, see corresponding section on page 190).

Registration and Fees

(See page 34, *et seq.*)

Fellowships and Scholarships

(See page 412)

Rules Governing Students

1. A student cannot be a candidate for more than one professional degree at the same time.

2. A candidate for a degree must comply with all requirements in force at the time said degree is conferred.

¹ When the candidate is at a considerable distance from the University, his application should be made as early as possible in order that he may receive the reply in time to present himself at the University on September 13, 1909.

3. A student will be permitted to substitute one subject for another provided he obtains the consent of the Dean, the heads of departments concerned, and the head of the department giving the technical instruction leading to the degree.

4. A student absent from more than one-tenth of the required exercises will be debarred from examination in that subject. No student shall be exempt from this regulation except by action of the Committee on Program of Studies.

5. After examinations have been held, officers shall send to the Registrar a list of all students who have attended their courses, indicating proficiency by numbers on a scale of 10, a mark below 6 signifying a failure to pass. Students' records will be sent to them by the Registrar at the close of each term.

6. A student who has failed in any subject shall not be permitted to take advanced studies for which such failure indicates a lack of necessary preparation.

7. Regular examinations may be held at the end of the 1st or 2d term or both, or at the completion of any course.

8. Special examinations for students debarred or deficient at regular examinations shall be held during the two weeks in September preceding the opening of the next following academic year; and for members of the fourth class, in subjects belonging to that year only during the first week in May.

9. The fee for special examination is \$5.00, which must be paid before admission to examinations. If a student have special examinations in several subjects (during the same examination period), only a single fee of \$5 shall be paid.

10. A student failing to pass in any subject at the regular examinations must present himself for special examination as provided under Rule 8.

Failing to pass the second examination, he must repeat the subject with the next class. Failing a third time to pass a satisfactory examination he shall be dropped from the roll of the School.

11. Absence from any regular or special examination provided for in Rules 7 and 8 shall count as a failure unless excused by the Dean for reasons of weight.

12. A student shall be enrolled in the class in which the majority of his hours are taken; provided, however, that no student shall be advanced from the first to the second class who has entrance conditions aggregating 2 points; no student shall be advanced to the third class who has any entrance conditions or any deficiencies of the first year; no student shall be advanced to the fourth class who has any entrance conditions or any deficiencies of the first or second years.

13. Any student who shall have passed a satisfactory examination in Columbia College in any subject forming a part of one of the professional courses in the Schools of Mines, Engineering, and Chemistry will not be required to pursue that subject a second time.

14. During vacations following the close of each year, memoirs on assigned subjects must be prepared by students in the course of Metallurgy, Civil Engineering, Electrical Engineering, Mechanical Engineering, Chemical Engineering, and Chemistry (see Departmental Statements, pages 55-168). The time specified for the completion and handing in of memoirs is the first Monday in November.

A student failing to hand in his memoir, drawings or other summer work shall be considered to have failed; to have his work received later, he will be obliged to pay a fee of \$5.00, as for a special examination.

15. By permission of the Dean, and concurrence of the heads of departments concerned, a student may attend subjects not required for his degree, provided such attendance does not interfere with his regular work. He must fulfil all the requirements exacted from regular students in such course.

Every first-year student admitted conditionally will be held under probation during the first half-year of residence. So far as possible students on probation are given the opportunity in Columbia College or in the Department of Extension Teaching, to make good their deficiencies. Not later than the end of this period, the Dean, on the basis of reports from the head of each department in which the student is registered, will decide whether he shall be admitted to full standing, have his period of probation extended, or be dropped from the roll. The mark of 7 or higher, obtained in any subject at the end of the first half-year of residence, will be regarded as removing an entrance condition in that subject, unless the condition was incurred in a part of the subject not directly involved in the work of the course. Any condition not so removed must be satisfied by formal examination.

Equipment and Collections

Detailed information as to the laboratories, museums, collections, libraries, and other facilities for study and research will be found in the departmental statements as follows:

- Chemistry, page 70.
- Civil and Sanitary Engineering, page 76.
- Electrical Engineering, page 94.
- Geology, page 101.
- Mechanical Engineering, page 124.
- Metallurgy, page 126.
- Mineralogy, page 128.
- Mining, page 129.
- Physics, page 152.

Chemical and Assay Apparatus

(See page 74)

SUMMARY OF PROFESSIONAL COURSES OF STUDY

NOTE: Detailed tabular arrangements of each year of these courses will be found in the *Announcement of the Schools of Mines, Engineering and Chemistry*. (See also Departmental Statements, pages 55-168).

Uniform Curriculum for the First Year

The curriculum for the first year of the four-year courses leading to the degrees of Engineer of Mines, Metallurgical, Civil, Electrical, Mechanical, and Chemical Engineer and Chemist is the same in every respect and the student entering the first-year class need not declare which course he will follow until the end of the year, when he will have the advantage of the experience gained during the first year's work, where uncertainty exists respecting inclination or natural bent.

As will be seen in the tabular statement given below this first year is mainly devoted to a thorough grounding in mathematics, physics and chemistry, the three fundamental subjects which form the indispensable basis for all broad and successful engineering work, not only in the remaining years of the course, but throughout the entire professional career. Specialization begins to some extent in the second year and becomes more marked in the third and fourth years.

<i>First Half Year</i>		Hours per week	
		Class	Lab'y
Mathematics 3	Analytical Geometry	3	
Chemistry 3	General Inorganic Chemistry	4	
Physics 3	Elementary Mechanics, Properties of Matter and Sound	5	
Drafting 1	Engineering Drafting	1	14
Drafting 3	Descriptive Geometry	3	
Phys. Educ. A	Gymnasium		2
Total..		16	16
<i>Second Half Year</i>			
Mathematics 2	Spherical Trigonometry	2	
Mathematics 4	Analytical Geometry	3	
Chemistry 4	General Inorganic Chemistry	3	
Physics 4	Light, Heat, Electricity and Magnetism	3	13
Chemistry 62	Qualitative Analysis	4	
Civil Eng. 2	Theory of Surveying	2	
Phys. Educ. A	Gymnasium		2
Total..		17	15

SUMMER WORK: Civil Eng. 15. Five weeks of surveying practice.

The class is arranged in two divisions, Division B completing engineering drafting and descriptive geometry in the first term while Division A is completing qualitative analysis, the two divisions reversing the operation in the second term. This plan secures greater concentration of work; it facilitates the transfer of students to advanced standing from other institutions; and it enables well prepared students entering in February and taking advantage of the University Summer Session to catch up with their class by the following autumn.

To secure the most effective individual instruction the class is also divided for quizzes and recitations into six, eight, and in some cases twelve sections. (For table see page 246).

Leading to the Degree of Engineer of Mines

The four-year course leading to the degree of Engineer of Mines is intended primarily to train men to undertake the development of mineral properties, the design and construction of mine plants, and to manage mines. The course includes training in metallurgy. It is necessarily a broad one, comprising a wide range of studies in pure and applied science, and for this reason is frequently taken by students desiring a general scientific training.

The subjects most emphasized in this course are mining, metallurgy, geology, and engineering.

Mining and metallurgy require knowledge of inorganic and applied chemistry, qualitative and quantitative analysis, and assaying.

Geology must carry with it preliminary training in crystallography, mineralogy, and petrography.

Engineering in all its branches needs a fundamental knowledge of mathematics, physics, and mechanics. The proper design and construction of mining plants involve the study of certain branches of civil engineering, and the many and increasing applications of machinery to mining make it necessary to give much time to the theory and practice of mechanical and electrical engineering.

Leading to the Degree of Metallurgical Engineer

This course is intended primarily for those who expect to be metallurgists, and to begin their professional work in minor administrative places in metallurgical works, or in the metallographic, testing, or chemical laboratories there; and secondarily for those who wish to carry into other activities a training in the scientific method of thought and work, and a general knowledge of chemistry, physics, etc. Besides thorough training in the fundamentals and the usual lectures and recitations, great stress is laid on giving (1) by laboratory work close familiarity with the difficult high temperature conditions of metallurgy; (2) skill in microscopy and pyrometry; and (3) training

in methodical planning and execution and in the interpretation of evidence.

There are separate laboratories (1) for iron and steel, (2) for the other metals and electrometallurgy, and (3) for metallography. Twenty-two per cent. of the work is in chemistry; 22 per cent. in mathematics, physics, mineralogy, and geology; 30 per cent. in drawing, and civil, mechanical, and electrical engineering; 6 per cent. in mining; and 20 per cent. in metallurgy. An effort is made to interest students in actual industrial and scientific investigations of present importance made in the department. In the six-weeks summer courses at metallurgical works the students study, describe, and explain processes, make dimensioned sketches of furnaces and mills, and estimate approximately costs, profits, etc.

Leading to the Degree of Civil Engineer

The courses of study given in the Department of Civil Engineering are so formulated as to constitute broad educational training of a professional character for students intending to follow the practice of civil engineering or such other affiliated callings as may be based more or less upon the various branches of civil engineering. These courses of study can be taken more advantageously if the student has had a preliminary general training equivalent to that of an ordinary college course although that condition is not a requisite. It is strongly urged that wherever practicable three years of study should be taken in Columbia College, followed by three years of study in the Department of Civil Engineering, thus making a complete course of general and professional study of six years. Through these courses of study there is set forth a thorough grounding in the fundamental principles of engineering science as the first essential, supplemented, however, by constant exercises in the application of those fundamental principles to all the operations of the civil engineer, involving structures, machines, and processes connected with the adaptation and transmission of power for industrial and other purposes.

Leading to the Degree of Electrical Engineer

The objects for which the regular four-year course in Electrical Engineering is designed and the education which it is intended to give are fully set forth in the *Announcement*.

The first two years of the course are devoted to the fundamental subjects, including mathematics, physics, chemistry, mechanics, drawing, and certain electrical and mechanical engineering subjects which are elementary or introductory in character.

These fundamental and introductory subjects are intended to lay a broad and substantial foundation upon which the more specialized

professional instruction of the third and fourth years is based. Even in these later years theoretical subjects, such as thermodynamics and electrical theory, are included and given most careful attention.

Leading to the Degree of Mechanical Engineer

The first two years of this course are devoted to essential preparatory and fundamental subjects, mathematics, chemistry, physics, analytical mechanics, and drawing, which are co-ordinated with kinematics, elementary design, shopwork, and the elements of electrical and steam engineering. In the third year there are developed the basic principles of thermodynamics, resistance of materials, and hydraulics, which are fixed in the mind of the student by drill in the drafting room by design courses, in the laboratory by experiments and tests, and in class by analysis of standard mechanical and electrical machinery. The fourth year is devoted to a detailed treatment of gas and steam engine design, standard water turbine characteristics, and the essential relations between units constituting power plants and factories. Special attention is here paid to the economics of mechanical engineering by courses in industrial law, economics, and works management. Throughout the course the aim is to develop clear conceptions of underlying principles, habits of independent thought and orderly mental procedure applicable to any sort of mechanical engineering problems.

Leading to the Degree of Chemical Engineer

The regular four-year course of instruction is designed primarily for the education of professional chemists who intend to devote their lives to the practice of this profession, either as teachers in colleges after pursuing further studies, or as research chemists, chemists or managers in manufacturing and other industrial enterprises.

The course in chemical engineering, as will be seen, is designed to educate chemists with a sufficient amount of engineering to fit them to take charge of chemical works which depend largely on the use of machinery. This requires a knowledge of mechanical engineering, electrical engineering, hydraulics, mechanical drawing, shopwork, etc., as well as a thorough knowledge of chemistry in all its branches. Such an education qualifies a man to act as manager of gas works, sugar refineries, dyeing and calico-printing establishments, electro-chemical works, etc.

Leading to the Degree of Chemist

The regular four-year course of instruction is designed for the education of professional chemists who intend to devote their lives to the practice of this profession, either as teachers in colleges and scientific

schools, after further preparation, or as chemists or research chemists in manufacturing and other industrial enterprises.

The course in chemistry includes not only all branches of theoretical, analytical, and industrial chemistry, but also collateral sciences, such as mathematics, mechanics, physics, mineralogy, metallurgy, mechanical and electrical engineering, and drawing, which have been found by experience to be required by the professional chemist. It is the intention to provide the graduate not only with a thorough knowledge of the principles and practice of chemistry in all its branches, but with such a broad and liberal education in the collateral sciences as will prepare him for every demand that will be likely to be made upon him in connection with his profession or in the pursuit of investigation.

REGISTER OF STUDENTS

Schools of Mines, Engineering, and Chemistry

FOURTH YEAR—CLASS OF 1909

MINING ENGINEERING

BATTLE, JOEL ALLAN, JR.....	Evanston, Ill.
BRUNS, CHRISTOPHER LESLIE, JR.....	New York City
CUTLER, WILLARD WALKER, JR., B.S. Princeton 1906.....	Morristown, N. J.
EARLE, THEODORE.....	Elizabeth, N. J.
FULD, HORACE ALFONSE.....	New York City
GAEBELEIN, PAUL WHITEFIELD.....	Mt. Vernon, N. Y.
HALL, HARRY E.....	Virginia City, Mont.
KOHLBERG, HERBERT S., B.S. 1907.....	El Paso, Texas
LATHAM, EVERETT BODINE.....	Charlotte, Mich.
LEWIN, JOHN CHRIS.....	Port Chester, N. Y.
LOCKE, PRESTON ERIE.....	New York City
LUND, FRANCIS NAPIER.....	Bronxville, N. Y.
RODDEWIG, GEORGE WASHINGTON, Mech.E. Cornell 1906.....	Davenport, Ia.
WEST, HENRY JAMES, A.B. 1902.....	Garnersville, N. Y.
WOLFERSPERGER, JOHN J.....	Sterling, Ill.

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CIVIL ENGINEERING

ASCHER, BENJAMIN, B.S. C. C. N. Y. 1907.....	New York City
CARPENTER, WILLIAM MORGAN, A.B. 1907.....	New York City
ECKMANN, JULIUS, B.S. C. C. N. Y. 1907.....	New York City
FERGUSON, WILBUR EARLE.....	New York City
FOSSAS, EDWARD JOSEPH.....	San Juan, Puerto Rico
GUITERAS, HAROLD GENER.....	Yonkers, N. Y.
HOWE, CHARLES HENRY.....	New York City
LANDSMAN, SIGMUND.....	New York City
LOMBARD, J. OSWALD.....	Cienfuegos, Cuba
MAYER, CHARLES.....	New York City
MOTT, KENNETH.....	Peekskill, N. Y.
NATHAN, SAMUEL.....	New York City
NORSWORTHY, LEONARD D.....	New York City
ROTHSCHILD, MONTEFIORE.....	New York City
SLADE, HAROLD EDMUND.....	New York City
SPALDING, LESTER HOLT.....	New Rochelle, N. Y.
STEINMAN, DAVID BERNARD, B.S. C. C. N. Y. 1906.....	New York City
VULTÉ, GILBERT PALMER.....	New Rochelle, N. Y.
WILLIAMSON, DOUGLAS B.....	New York City
ZABRISKIE, GEORGE E.....	Newark, N. J.

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ELECTRICAL ENGINEERING

BLISS, ERNEST FRED.....	New York City
CERUSSI, BIAGIO PETER.....	New York City

COHN, HUGO.....	New York City
DEUTSCH, HARRY ARMIN.....	New York City
FONDILLER, WILLIAM, B.S. C. C. N. Y. 1903.....	Westwood, N. J.
HUTCHINSON, GEORGE ELLIS.....	New York City
JORDAN, CARL PHILIP.....	Great Falls, Mont.
KENNEDY, FREEMAN W.....	Bayonne, N. J.
KLEIN, JOHN EDWARD.....	New York City
LOOMIE, LEO STEPHEN.....	New York City
MASON, FRANK LOUIS.....	New York City
RESTREPO, LUCIANO.....	Weddelin, Colombia, S. A.
ROCKWOOD, JOHN PARET.....	Montclair, N. J.
RYAN, JOHN JOSEPH.....	New York City
SPITZER, BENJAMIN.....	New York City
STRUTHERS, HERBERT HARLOW.....	New York City
WHITE, MAJOR LEE.....	New York City
WHITE, RALPH LEE.....	New York City

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MECHANICAL ENGINEERING

BONNER, RICHARD OLIVER.....	Rockville Centre, N. Y.
BORCHARDT, ALBERT HUGO.....	New York City
BRIDGEMAN, LINDEN WENTZEL, B.S. 1908.....	Astoria, N. Y.
HAIGH, CLIFFORD SHEPARD.....	New York City
HOYT, HAZEN L., JR.....	New York City
KNOBLOCH, EDWARD.....	Englewood, N. J.
MATZ, LOUIS.....	New York City
MEYER, C. LOUIS.....	Omaha, Neb.
MILTENBERGER, WILLIAM.....	St. Louis, Mo.
REMINGTON, HENRY WATERMAN, JR.....	New York City
RICE, MYRON WESLEY.....	Worcester, Mass.
SCHOONMAKER, HERBERT SAGE.....	New York City
SCHWARZ, JUSTIN ORMISTON.....	New York City
SLOANE, CHARLES O'CONOR, A.B. 1906.....	South Orange, N. J.
DE LA TORRE, MANUEL.....	New York City
ULMANN, U. AUGUST, JR.....	Yonkers, N. Y.
VEHSLAGE, HAROLD EDWIN, A.B. 1907.....	New York City
YOUNG, GEORGE LELAND.....	East Orange, N. J.

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CHEMICAL ENGINEERING

EZEKIEL, BERTRAM.....	Greenville, Ala.
KUDLICH, HERMAN FREDERICK, JR.....	New York City
MCCULLOCH, PAUL LEAVENWORTH.....	Orange, N. J.
SCHRAMM, EDWARD, B.S. C. C. N. Y. 1906.....	New York City

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METALLURGY

KOKEN, WILLIAM THEODORE.....	St. Louis, Mo.
MORRIS, DAVID AUBREY.....	Chicago, Ill.
WALTER, HERBERT WINFRED, B.S. Washington State College, 1905.....	Pullman, Wash.

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CHEMISTRY

CREW, CHARLES.....	Paterson, N. J.
HOCHSTADER, IRVING.....	New York City
SCHWARZ, ROBERT.....	New York City

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FOURTH YEAR—CLASS OF 1909

Mining Engineering	15
Civil "	20
Electrical "	18
Mechanical "	18
Chemical "	4
Metallurgy.....	3
Chemistry.....	3
Total.....	81

THIRD YEAR—CLASS OF 1910

MINING ENGINEERING

BAMBER, WILLIAM ROGER.....	New York City
BANKS, HAROLD P.....	Boonton, N. J.
BLOW, GEORGE ALLMAND.....	Ware Neck, Va.
BROWNE, KENNETH C.....	New York City
CARLISLE, HENRY COFFIN, Ph.B. Yale 1908.....	New Rochelle, N. Y.
COUNSELMAN, THEODORE BENTON.....	New York City
DANEHY, GEORGE W.....	New York City
GRANT, LESTER EAMES, A.B. Yale 1906.....	Denver, Colo.
HAYES-DAVIS, JEFFERSON, B.S. Princeton 1907.....	Colorado Springs, Colo.
HELMRICH, GEORGE LESTON.....	New Rochelle, N. Y.
DE HIERAPOLIS, GEORGE SAHB, JR.....	New York City
HIRSH, RALPH TUSKA.....	New York City
HOLDERER, GEORGE B.....	Denver, Colo.
HOVER, DAVID LLEWELLYN CURTWRIGHT.....	Washington, D. C.
JAHN, GUSTAVE A.....	New York City
KANE, JOHN INNES, JR., Ph.B. Yale 1908.....	Ossining, N. Y.
KITSON, H. W.....	New York City
LANDON, STEPHEN LESHER, A.B. Yale, 1907.....	New York City
LEE, MONTROSE LUCIUS.....	Omaha, Neb.
MCCONNELL, ROBERT EARLL.....	Durango, Colo.
MCCROKREN, EUGENE PAUL.....	New York City
McKANNA, EDISON ALEXANDER.....	Oklahoma City, Okla.
MALLER, JOHN.....	New York City
MARSH, AUSTIN GERRY.....	Pueblo, Colo.
MENEFEE, ARTHUR BURLEY, B.S. Princeton 1907.....	Louisville, Ky.
MOORE, PERRY NORTH.....	St. Louis, Mo.
MURPHY, GERALD FRANCIS, B.E. Dalhousie 1908.....	Halifax, Nova Scotia
OBLER, DAVID MORTIMER, B.S. C. C. N. Y. 1907.....	New York City
O'NEALE, MALCOLM LINDSAY.....	New York City
PARSONS, LOUIS A., Ph.B. Yale 1908.....	Grand Rapids, Mich.
PIGOTT, CURTIS, Ph.B. Yale 1908.....	Helena, Mont.
ROSS, GEORGE HILLIARD, A.B. Cornell 1906.....	Edgewater, N. J.
RYPINSKI, JACOB EMANUEL.....	New York City
SCHNEPP, CHARLES FREDERICK.....	New York City
SCOTT, THOMAS K.....	New York City
SHEARMAN, WILLIAM HUGH.....	New York City
SMITH, ALEXANDER HERBERT.....	Glasgow, Scotland
SMITH, HERBERT CUSHING.....	Alton, Ill.
STILLMAN, ALBERT LEEDS, A.B. Rutgers 1905.....	Hoboken, N. J.
THOMPSON, MALCOM M.....	Ridgefield, N. J.
TOUGH, FREDERICK BEVAN.....	Detroit, Mich.
TOWNSEND, ROBERT HINCKLEY.....	Cambridge, Mass.

WALTERS, RAY EPPERSON, A.B. Univ. Montana 1905.....	Missoula, Mont.
WARDLAW, FRANCIS ANDREW, JR.....	Schroon Lake, N. Y.

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CIVIL ENGINEERING

ARKUSH, J. ELLIS.....	New York City
BEGGS, GEORGE ERLE, A.B. Northwestern 1905.....	Ashland, Ill.
BENNETT, BENJAMIN FRANKLIN, JR.....	Baltimore, Md.
BERNFELD, LUPESCU MORITZ.....	New York City
BOORMAN, KETCHELL M., A.B. 1908.....	New York City
GOLDSTEIN, MORRIS MONROE.....	New York City
GOLDSTEIN, SAMUEL.....	New York City
GOODKIND, MORRIS, A.B. 1908.....	New York City
HOAG, JOHN ALBERT.....	New York City
KAESTNER, ALBERT CARL.....	New York City
LAURENT, HOWARD PAUL.....	New York City
LOEWY, ALEXANDER A.....	New York City
MARDER, JOEL DAVID.....	New York City
MARWICK, ROBERT HUGH, A.B. 1906.....	Petrolia, Ontario, Canada
MERLIS, ISAAC, B.S. C. C. N.Y. 1907.....	New York City
PERRINE, HAROLD, A.B. 1907.....	New York City
RODENBURG, JOHN TIETJEN.....	New York City
SANTELICES, DANIEL.....	New York City
VON SCHRENK, TRITON.....	New York City
SOULE, ERNEST WILBUR.....	New York City
SPENCER, CHARLES BURR.....	New York City
STREHAN, GEORGE E.....	New York City
WEINSTEIN, JOSEPH.....	New York City
WICKENDEN, ALFRED AHIER.....	Bethel, Conn.
WILLIAMS, HAROLD.....	New Bedford, Mass.

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ELECTRICAL ENGINEERING

ACEVES, JULIUS.....	New York City
BROE, ARTHUR LOWREY.....	New York City
CLEMSON, WILLIAM EDWIN.....	Newark, N. J.
DELLENBAUGH, FREDERICK SAMUEL, JR.....	New York City
FICH, MARCUS.....	New York City
FONTS, HUBERTO.....	Havana, Cuba
FOOTE, HASTINGS.....	New York City
FORD, WILLIAM ANDREWS.....	White Plains, N. Y.
GRIFFEN, ELLWOOD BURDSALL.....	New York City
HAMANN, ADOLPH MARTIN.....	Mt. Vernon, N. Y.
KRIVULIN, HERMAN ARNOLD, A.B. C. C. N. Y. 1905.....	New York City
LUNN, ARTHUR W.....	Newark, N. J.
MCGUINNESS, FRANCIS VINCENT.....	New York City
MAPES, MILTON CRAWFORD.....	Flushing, N. Y.
MILTENBERGER, ALEXANDER LASSEN.....	St. Louis, Mo.
DI MOISE, G. B.....	New York City
MÜLLER, FREDERICK.....	New York City
OSBORN, STANLEY ROYAL.....	New York City
SHEARER, CONWAY W., A.B. Princeton 1904, A.M. 1905.....	New York City
SPRUNG, ABRAHAM.....	New York City
STAFFORD, RAYMOND WRIGHT.....	New York City
TOBIAS, DAVID FRANCIS.....	New York City
WEBSTER, LESLIE STANDARD.....	New York City

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MECHANICAL ENGINEERING

BANGS, GEORGE HAROLD.....	Huntington, N. Y.
BARBOUR, ROBERT.....	New York City
BLUMENFELD, RALPH.....	New York City
BOWES, CHARLES MUNTON.....	New York City
BROPHY, PAUL FITZGERALD.....	West Brighton, N. Y.
EGBERT, HARRY DREW, A.B. 1907.....	New York City
FREDERICKS, WALTER.....	New York City
GWIAZDOWSKI, A.....	New York City
HARDIN, FRANK HAMMOND, B.S. Ga. School of Tech. 1908.....	Atlanta, Ga.
HENES, HARRY WILLIAM.....	New York City
HERZOG, DAVID SULZBERGER.....	New York City
KNAPP, H. O.....	New York City
MORRILL, OTIS CHAMBERLAIN, A.B. Williams 1907.....	New York City
OAKLEY, WALTER WECKERLE.....	New York City
ROSENBLATT, MOYER, B.S. C. C. C. N. Y. 1906.....	New York City
SEMEL, ARTHUR LIEBER.....	New York City
ZACH, LOUIS MORRIS.....	New York City

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CHEMICAL ENGINEERING

BAER, SAMUEL.....	New York City
DANIELS, MONROE HELLER.....	New York City
LIPSTATE, WADEL ABRAM.....	Tyler, Texas
LISSAUER, ADOLPH WIENER.....	New York City
MALCOLMSON, MALCOLM DAVID.....	Orange, N. J.
MURPHY, ROBERT KENNETH.....	Rochester, N. Y.

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METALLURGY

COMSTOCK, GEORGE FREDERICK.....	New York City
DANIELS, CLARENCE WHITE.....	Worcester, Mass.
MAPES, CLARENCE DANIEL.....	White Plains, N. Y.
MERRISS, MARION HAWTHORNE.....	Brooklyn, N. Y.

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CHEMISTRY

STAGG, HOWARD J., JR.....	New York City
THOMPSON, ERNEST CHARLES.....	New York City

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THIRD YEAR—CLASS OF 1910

Mining Engineering	44
Civil "	25
Electrical "	23
Mechanical "	17
Chemical "	6
Metallurgy.....	4
Chemistry.....	2
Total	121

SECOND YEAR—CLASS OF 1911

MINING ENGINEERING

ANNAN, ROBERT.....	London, Eng.
AYER, FRANCIS ASHTON.....	New York City
BAINS, THOMAS MELLOR, JR.....	Philadelphia, Pa.
BALDWIN, H. V. V., B.S. Princeton 1905.....	Nyack, N. Y.

BETTELHEIM, EDWIN SUMNER, JR.	New York City
BOND, HERBERT MACPHERSON, A.A. Methodist Col. 1905	Whitbourne, N. F.
BRADLEY, CHESTER E., M.E. Stevens Institute 1903	Jersey City, N. J.
BRAENDER, WALTER PHILIP	White Plains, N. Y.
BREWSTER, ROUSE KENDALL	New York City
CARR, HOMER LYMAN, A.B. Oberlin 1907	Lakewood, Ohio
COBDEN, RICHARD, JR.	Larchmont, N. Y.
CONDUCT, ALDEN S.	New York City
COOPER, JOHN RAYMOND	New York City
CORSA, HOWARD PINCKNEY	New York City
DICKENSON, ERNEST HEATHCOTE, A.B. Laval Univ. 1907	New York City
DONOVAN, JAMES	New York City
EVANS, MORRIS DE BERTHOLETTE, E.M. Lehigh Univ. 1906	Reisterstown, Md.
FARR, T. H. POWERS, JR., A.B. Princeton 1907	West Orange, N. J.
FARRINGTON, THAYER BOSWELL	St. Paul, Minn.
FLEISCHMAN, LEO EDWIN	New York City
FOWLER, HAROLD, A.B. 1908	New York City
FRANKE, ROBERT, B.S. Cooper Institute 1908	Newark, N. J.
GARDNER, LESLIE BRECKENRIDGE	Waco, Texas
GENTRY, MARTIN BUTLER, Ph.B. Yale 1906	Kansas City, Mo.
GLORNEY, ERNEST EDWARD	Dublin, Ireland
GOULD, KINGDON	New York City
GREENOUGH, WARREN EARL	New York City
GUITERAS, JOSEPH RAMON	Yonkers, N. Y.
HALL, ALBERT EDWARD	New York City
HANHAUSEN, FREDERICK	Paris, France
HANKE, ADOLPH G.	Cincinnati, Ohio
HAYES, F. H., JR.	New York City
HAZZARD, LYONS FRANKLIN	Bisbee, Arizona
HILL, HENDERSON EMBREE	Westchester, N. Y.
HILL, WALTER CHARLES	Hagaman, N. Y.
HODGKINSON, H. H.	Cleveland, Ohio
HOFFMAN, JAMES WILTON	New York City
HOLMQUIST, GUSTAVE S.	New York City
HSE, SINPOO, C. C.	Hunan, China
ISEMAN, PERCY R.	New York City
KEARNEY, GEORGE SYLVESTER	Minneapolis, Minn.
KIRK, DONALD	Axis, Ala.
KOZMINSKY, LESLIE MONTEPIORE	Melbourne, Australia
KOSTER, JOHN WILLIAM	Yonkers, N. Y.
KRUEMMER, ADOLPH WILHELM	Clausthal, Germany
LANDON, STEPHEN LESHER, A.B. Yale 1907	New York City
LAROCQUE, F.	Bordeaux, France
LATIMER, EMPIE, B.S. Princeton 1908	Wilmington, N. C.
LATIMER, HERBERT RUSSELL, B.S. Princeton 1908	Wilmington, N. C.
LEACH, A. A., JR.	Brooklyn, N. Y.
LESLIE, EUGENE HAMILTON, A.B. Princeton 1906	Columbus, Ohio
LOVEJOY, JOHN M.	New Rochelle, N. Y.
MCCANN, EDGAR OWEN, A.M. St. Ignatius 1905	San Francisco, Cal.
MCCONNELL, LEROY WILSON	Dallas, Texas
MCGOVERN, RUDOLPH ALOYSIUS	New York City
McKENZIE, ALEXANDER, JR.	New York City
McKEOWN, SAMUEL ANDERSON	New York City
MENDELSON, ALBERT	New York City
MILLER, DONALD GAZLAY	New York City
MONTGOMERY, WILLIAM BRUCE, JR., B.S. Virginia Military Inst.	Lynchburg, Va.

MOORE, FRANCIS W., A.B. Yale 1907.....	Redlands, Cal.
MUCKLOW, WILFORD BARBER.....	New York City
MULHOLLAND, VINCENT I.....	New York City
NIEMAN, HENRY WILLIAM, A.B. Harvard 1908.....	Seattle, Wash.
O'CONNOR, FREDERICK FRANCIS, B.S., Rochester, 1907.....	Rochester, N. Y.
OVERMAN, B.....	New York City
PALMER, WILLIAM FREDERICK.....	New York City
PATTERSON, R. C., JR.....	New York City
PETERS, GEORGE LAWRENCE.....	New York City
PEYTON, GILBERT S., JR.....	Philadelphia, Pa.
PHELAN, ROBERT EARLY.....	New York City
PHILSON, JAMES DELONG.....	New York City
RENSHAW, PAUL.....	New York City
RICHARDS, GEORGE MILTON.....	New York City
SANGER, ARTHUR C.....	Toledo, Ohio
SAUNDERS, FRANK HAROLD.....	Gloversville, N. Y.
SCHLOTTMAN, GUSTAVE.....	New York City
SCOTT, DAVID B., A.B. Williams College 1908.....	White Plains, N. Y.
SHAI DUROFF, N. N.....	Nishny-Novgorod, Rus.
SILVERSTEIN, ISRAEL PHILIP.....	Passaic, N. J.
SIMPSON, PAUL.....	Newburyport, Mass.
STRIPPEL, ALBERT E.....	New York City
SULLIVAN, GEORGE CORNELIUS.....	Butte, Mont.
SUYDAM, JOHN R., JR., A.B. Harvard 1908.....	New York City
SYVERSON, THEODORE SIGWALD.....	Cooperstown, N. D.
TALLANT, JOHN DRURY.....	San Francisco, Cal.
THOMAS, WILLIAM LEONARD, A.B. Princeton 1907.....	New York City
THOMPSON, LESTER S.....	New York City
VILLALOBOS, GUMARO, Ph.D. Gregorian Univ. 1904.....	Yturbide, Mexico
VOGEL, OSCAR M.....	Great Falls, Mont.
VOLKER, HENRY JOSEPH.....	Ossining, N. Y.
WALLIS, J. E., JR.....	Beaumont, Texas
WHITWELL, CUTLER BONESTELL.....	New York City
WILSON, TREVETT A.....	New York City
WISE, SIDNEY LEO.....	New York City
WRIGHT, WILLIAM RYER.....	New York City

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SECOND YEAR—CLASS of 1911

CIVIL ENGINEERING

ANANIEFF, VLADIMIR P.....	Moscow, Russia
BABCOCK, THEODORE STODDARD.....	Pelham Manor, N. Y.
BAKER, JAMES ALPHEUS, JR.....	New York City
BRIGGS, ROBERT WESLEY.....	New York City
BUCHTENKIRCH, WILLIAM ERNEST.....	New York City
BURKE, EDMUND POTTS.....	New York City
COLAS, NICHOLAS.....	New York City
COLE, HOWARD T.....	Brewster, N. Y.
DEISER, NORMAN ARTHUR.....	New York City
DIAZ, MARINO.....	Havana, Cuba
DORN, GEORGE H., JR.....	New York City
DOUGHERTY, EDWARD A.....	New York City
DREYFUS, ROBERT.....	New York City
DUENAS, HECTOR, A.B. Nat'l Inst. Chile 1904.....	Bahia de Caraquez, Ecuador
ESTRADA, SEBASTIAN.....	Cardenas, Cuba

FINKELSTEIN, MARTIN.....	New York City
FRIEDMAN, MORRIS.....	New York City
GOODWIN, ELMER C.....	New York City
GRAY, CLIFFORD, E.E. 1902; A.M. 1903.....	New York City
HANIGAN, HARRY A.....	New York City
HARDER, ERNEST HENRY.....	Newark, N. J.
HERTER, ALBERT HENRY.....	New York City
HICKS, CHARLES SELDEN.....	New York City
JEANNERET, LEON EDWARD.....	Rutherford, N. J.
JONES, WILLIAM BENEDICT.....	New York City
DE JONGH, ARTHUR FRANCIS.....	New York City
KANDEL, CHARLES.....	New York City
KISLOVSKY, ANDREW.....	New York City
KUZMIER, GEORGE P.....	New York City
LEISER, FERDINAND, JR.....	Brooklyn, N. Y.
LOENING, GROVER CLEVELAND.....	New York City
MARGOLIS, LOUIS, B.A. C. C. N. Y. 1902.....	New York City
MARUM, MYRON GILBERT.....	West Orange, N. J.
MEYER, EMIL GUSTAVE.....	New York City
MILLER, FREDERICK.....	New York City
MILLER, WALTER REGINALD.....	West Park, N. Y.
MOTT, F. DOUGLAS.....	Peekskill, N. Y.
NOORIAN, N. Z.....	New York City
OCKERT, FRED W.....	New York City
PATERSON, ARCHIE HARTLEY.....	Wingham, Ontario
RIESENBERG, FELIX.....	New York City
ROBINSON, THOMAS ARGO.....	St. Louis, Mo.
SCHAPIRO, MORRIS SAMUEL.....	New York City
SCHUMACHER, KARL JULIUS.....	Lonsdale, R. I.
SCHWEID, MAX, A.B. Rochester 1908.....	Rochester, N. Y.
SIMON, H.....	New York City
SNOOK, THOMAS E., JR.....	New York City
STOLL, MORRIS.....	New York City
SZANTO, SANDOR SCHWARTZ, B.S. Gym Beregszasz.....	New York City
TUPPER, WILBUR DRAKE.....	East Orange, N. J.
VOSKAMP, JOHN A.....	New York City
WEBSTER, JAMES.....	New York City
WEISS, BENJAMIN.....	New York City
WILCOX PHILIP WAKEMAN.....	New York City

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ELECTRICAL ENGINEERING

ARNSTEIN, WALTER L.....	New York City
BENEDICT, VICTOR.....	New York City
BLACK, HENRY SCUDDER.....	New Rochelle, N. Y.
BLACKWOOD, WILLIAM E.....	New York City
CARPLES, VICTOR H., A.B. C. C. N. Y. 1904.....	New York City
CASWELL, EDWARD THOMAS.....	Elmhurst, N. Y.
CORDOVEZ, CARLOS.....	New York City
DESCHERE, PAUL RICHARD.....	New York City
HALB, JOHN CLARENCE.....	White Plains, N. Y.
HINKEL, EDWARD J.....	New York City
HIRSCH, CHARLES MARCEL.....	New York City
HOLMAN, ARTHUR JOHN.....	New York City
KELLER, FREDERICK ROWE.....	Lancaster, Pa.
KINSMAN, RICHARD ELLARD.....	New York City

LASCH, JOHN S.	New York City
LIEBOWITZ, BENJAMIN	New York City
McINTYRE, KENNETH ARNON	Mt. Vernon, N. Y.
POWELL, ALVIN LESLIE	Rockville Centre, N. Y.
SIMON, EMIL JEROME	New York City
TEA, PETER L., B.S. C. C. N. Y. 1908	New York City
VALLELY, CHARLES COSGROVE	New York City
WAHLIG, RUDOLPH CHARLES	New York City
WEED, DeWITT V., JR.	New York City

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MECHANICAL ENGINEERING

AGRAMONTE, P. H.	New York City
BAPFREY, VICTOR EDWARD	New York City
BAUMEISTER, PAUL ARNOLD	Flushing, N. Y.
BENSON, C. D.	New York City
BRETTELL, CLINTON	New York City
CUNO, CHARLES H.	Meriden, Conn.
DAVIS, FRANK RUTLEDGE	New York City
DENOREST, WILLIAM J.	New York City
ENTELMANN, JOHN HENRY	New York City
FOGEL, WILLIAM PERCY, JR.	Rutherford, N. J.
GACHE, CESAR T.	Buenos Ayres, Argentine Republic
GATELY, WILLIAM ALOYSIUS	New York City
GREF, WILLIAM HODGKINS	New York City
GUITERAS, JULIAN GEORGE	Yonkers, N. Y.
HAYES, FRANK ANDERSON	Buffalo, N. Y.
HUBBARD, EDGAR W.	New York City
IVES, F. L.	New York City
JAROS, ALFRED LEOPOLD, JR.	New York City
JENKINS, HAROLD BREWSTER	New York City
KING, THOMAS EDWARD	Sound Beach, Conn.
KIRSCHBERG, MATTHIAS	New York City
KOLLER, MAX ALEXANDER	New York City
LACY, FREDERICK THURLOW	New York City
LIFSHUTZ, ISAAC	Warsaw, Russia
LUKENS, EDWARD FRENCH	New York City
VON MALMBORG, CARL ADOLF	Stockholm, Sweden
MONTGOMERY, GRAHAM L.	New York City
MORRIS, ARTHUR DUDLEY	New Brighton, N. Y.
VON MUFFLING, ERNEST A.	Flatbush, N. Y.
PARK, THOMAS WILBUR	Macon, Georgia
PARKER, ARTHUR ROWLEY	New York City
PECK, JOHN ARZA, JR.	Pelham Manor, N. Y.
PETERS, WILLIAM RICHMOND, JR., A.B. Yale 1908	New York City
RILEY, WELLS LITTLEFIELD	New York City
ROGERS, ALEXANDER MITCHEL	Macon, Georgia
SMITH, ALFRED JOHN	Central Islip, N. Y.
SWEZEY, CHRISTOPHER	New York City
TAYLOR, STEVENSON PEIRCE	New York City

CHEMICAL ENGINEERING

BACH, HENRY MICHAEL	New York City
BARRITT, JESSE BRYTE	Philipsburg, N. J.

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260 SCHOOLS OF MINES, ENGINEERING, CHEMISTRY

HANER, CARL, JR., A.B. 1906.....	New York City
HERRICK, HORACE TERHUNE.....	New York City
HERRMANN, EMIL MICHAEL.....	New York City
LEVY, NATHAN.....	New York City
LOWE, DONALD VAUGHN.....	Englewood, N. J.
SAYRE, CHARLES HOLDEN.....	Horseheads, N. Y.
SCHLICHTING, LOUIS, JR.....	New York City
THOMPSON, WILLIAM CREEVY.....	Morristown, N. J.
TSCHUDY, EDWARD ALBERT.....	New York City

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METALLURGY

CLAPP, LAWRENCE RIPLEY.....	New York City
ELDER, FLINT CUMMINGS.....	Malden, Mass.
GUITERMAN, KENNETH SPROAT.....	Denver, Colorado
HAMMOND, HAROLD ORVIS.....	New York City
WILLIAMS, GRANVILLE MERCER.....	New York City
WRIGHT, HERBERT DAVID, A.B. Yale 1908.....	Nottingham, Ohio

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CHEMISTRY

CACICEDO, LUIS, A.B. Spanish Univ.....	Cienfuegos, Cuba
HALLOCK, FREDERICK BARTON.....	New York City
HOROWITZ, BENJAMIN.....	New York City
STEINSCHNEIDER, WILLIAM.....	New York City
WEAVER, GILBERT MORGAN.....	New York City

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SECOND YEAR—CLASS OF 1911

Mining Engineering	96
Civil "	54
Electrical "	23
Mechanical "	38
Chemical "	11
Metallurgy.....	6
Chemistry.....	5
Total.....	233

FIRST YEAR—CLASS OF 1912

AHLERS, BRUNO HERMAN.....	Rockaway Park, N. Y.
ALLEN, FREDERICK MURDOCK.....	Peekskill, N. Y.
ALLEN, HENRY BUTLER.....	Greenfield, Mass.
AUDET, EARL FRANCIS.....	New York City
BABCOCK, HENRY STODDARD.....	Pelham Manor, N. Y.
BANGSER, WILLIAM.....	Lebanon, Pa.
BARBERO, GEORGE.....	New York City
BEADLE, JOHN BOOKWALTER.....	Washington, D. C.
BELL, JAMES E.....	Denver, Colo.
BETTS, CHARLES ELWOOD.....	Westport, Conn.
BLANCHARD, HAROLD FREDERICK.....	New York City
BLUMENTHAL, ALEXANDER S.....	New York City
BRAMBACH, ALOYS.....	Scarsdale, N. Y.
BRISTOL, HENRY P.....	New York City
BROOCKMANN, OSCAR WILLIAM, ERNST.....	Richmond Hill, N. Y.

BROWN, CLINTON BLEECKER.....	New York City
BROWN, THOMAS E., 3d.....	New York City
BROWNING, CARLETON PERKINS.....	Norwich, Conn.
BUTCHER, WILLARD FERRIS.....	New York City
CAMPBELL, ROBERT.....	Millerton, N. Y.
CHERRY, WILLIAM ALEX., JR.....	White Plains, N. Y.
CHUTE, STANLEY JAMES.....	New York City
CLAGHORN, JAMES LAWRENCE.....	Tacoma, Wash.
CLAIBORNE, ROBERT.....	New York City
CLARK, SIDNEY MILTON.....	New York City
CLARKE, JOHN.....	New York City
CLOUGHEN, JOHN, JR.....	New York City
COCCO, MIGUEL ANGEL.....	Puerto Plata, Dominican Republic, S. A.
COLE, ARTHUR BRUNO.....	Montclair, N. J.
COMSTOCK, PHILIP SIDNEY.....	New York City
COOK, EDGAR HAWLEY.....	Albany, N. Y.
CORNWALL, HARRY FORSYTH.....	Short Hills, N. J.
CRAWLEY, DANIEL JOSEPH.....	Lawrence, Mass.
DAHMAN, WALLACE WERNETH.....	Woodhaven, N. Y.
DARLINGTON, CLINTON PELHAM.....	New York City
DAVIS, IRVING J.....	New York City
DELEHANTY, AMBROSE M.....	New York City
DONALDSON, KENNETH HUME.....	New York City
DOOMAN, EUGENE HOFFMAN.....	New York City
EDDISON, WM. BARTON.....	Irvington-on-Hudson, N. Y.
EDGAR, GEORGE COLEMAN.....	New York City
EISELE, OSWALD BENJAMIN.....	New York City
ENGLANDER, HARRY.....	New York City
ESSIG, FRANK THEODORE.....	Newark, N. J.
EVANS, HERBERT WILLIAM.....	New York City
FEDERMAN, SAMUEL.....	New York City
FINLEY, CECIL JOHNSTON.....	New York City
FLAM, ABRAHAM.....	New York City
FOELLER, HAROLD CHARLES ESSIG.....	New York City
FORD, ANDREW J.....	New York City
FOSTER, WESLEY WILLIAM.....	Newark, N. J.
FREDSALL, OSCAR AUGUST.....	New York City
GARBER, DANIEL MASON.....	Ridgewood, N. J.
GEIGER, HERMAN ROLAND.....	New York City
GLOCK, ALFRED ROBERT.....	Astoria, N. Y.
GOLDE, FRED. EDWARD.....	New York City
GOLDEN, THEODORE.....	New York City
GREACEN, JOHN LYLE.....	New York City
GROW, RUSSELL FAIRGRIEVE.....	Crawford, N. J.
GUTHORN, SEYMOUR.....	New York City
HAAREN, WM. FREDERICK.....	New York City
HAINES, WILLIAM HOWARD.....	New York City
HAMILTON, BAXTER PERRY.....	Jamaica, N. Y.
HARRIS, ELMER PERCIVAL.....	New York City
HAYNES, JAMES LEROY.....	New York City
HEILES, FREDERICK CARL.....	Newark, N. J.
HENDRICKSON, NIELS EDWIN.....	New York City
HERBENER, HENRY MACINTYRE.....	Thomsonville, Ga.
HERBERT, WYMAN DRUMMOND.....	New York City
HERRLICK, AUGUSTUS PHILIP CARL, JR.....	New York City
HERTZOG, HOWARD SWINTON.....	Shamokin, Pa.

HIRT, EDWARD LOUIS	Yonkers, N. Y.
HITCHINS, OWEN EATON	Frostburg, Md.
HOCHBERGER, JULIUS	New York City
HOLMES, HARRIS WILLIAM	New York City
HUBBARD, DWIGHT GERALD	New York City
HUDSON, CHARLES MAYNARD	Natick, Mass.
HVASS, CHARLES THOMAS, JR.	New York City
IMMERMAN, HARRY	New York City
JABINE, THOMAS	Yonkers, N. Y.
JACKSON, WALTER MOORES	New York City
JANSEN, THOMAS CARL	New York City
JOHNSTONE, CHARLES FRANKLIN	Orange, N. J.
KAPP, EDWIN MAYER	New York City
KAYSER, ROBERT BARR	New York City
KEAR, CHARLES EDWARD	New Rochelle, N. Y.
KEATOR, RANDALL MOSS	New York City
KENNEDY, WALTER WOODWARD	New York City
KRAUSS, DANIEL H.	New York City
KRIM, SAMUEL SYDNEY	New York City
KULESHA, LOUIS	Jersey City, N. J.
LAMB, KARL BARRÉ	Cresskill, N. J.
LANDOLT, PERCY EDWARD	New York City
LANGLEY, RALPH HERBERT	New York City
DE LANO, SAFFORD ANDRUS	New York City
LASSMAN, BENJAMIN	New York City
LEVISON, STUART	New York City
LEVY, ALFRED KALISHER	New York City
LEVY, LOUIS EDWARD	New York City
LINDEMAN, CARL, JR.	Hoboken, N. J.
LINEBERGER, JOHN SELVYN	New York City
LOEBENSTEIN, JULIAN	New York City
LONNELL, G. L.	New York City
LOW, JOSEPH FRANKLIN	Stapleton, N. Y.
MCARDLE, WILLIAM HENRY	New York City
MCCLELLAND, GEORGE FRASER	Berlin, Germany
MCIVER, FRANCIS FERGUS, JR.	New York City
MACDERMOTT, STEWART SINCLAIR	New York City
MANCUSI-UNGARO, MANFREDI EDMUND	Newark, N. J.
MILLER, RITCHIE CONSTANT	Peekskill, N. Y.
MOFFETT, J. HENRY C.	Minneapolis, Minn.
MOORE, JAMES ISAAC, JR.	New York City
MORROW, ROBERT LEE	New York City
MOSHER, EDGAR HEMINGWAY	New York City
MOSS, HUGO HARRY	Guanajuato, Mexico
MUDD, HARVEY SEELEY	Los Angeles, Cal.
MURPHY, EUGENE ALLSTON	Rochester, N. Y.
MURRAY, JOSEPH NORRIS	New York City
NATHAN, CYRIL JAMES	West End, N. J.
NAVARRO, JOHN RALPH	New York City
NAYLOR, HENRY RADLEY	New York City
NEWTON, EDMUND	Arkville, N. Y.
NIEMANN, BERNARD, JR.	New York City
NOVOMESKY, ENIL	New York City
OAKLEY, RAY WHITEMORE	Oregon City, Oregon
O'DONNELL, ROBERT CLARKSON	New York City
PARKER, RALPH ARTHUR	Springfield, Mass.

PEARCE, CLYDE MC.	St. Louis Park, Minn.
PENFIELD, HAROLD CASSINOVE	New York City
PETERS, WILLIAM FREDERICK	New York City
PFFIFFER, BURTON LAWRENCE	Parsons, Kans.
PINEDA, ROSENDO, JR.	Elizabeth, N. J.
PINO, ERNESTO	Havana, Cuba
PITT, STEDDIFORD	New Rochelle, N. Y.
PYNE, WALTER	New York City
RAPHAEL, ABRAHAM LINCOLN ¹	New York City
RATNER, ABRAHAM C.	New York City
RAUSCH, ARTHUR FREDERICK	New York City
REED, CARL LETCHWORTH	San Juan, Porto Rico
REED, LUTHER ANDERSON	New York City
RIONDA, SALVADOR CIRILO	New York City
RIPPERGER, W. L.	New York City
ROBERTS, EDWARD OLIVER	New York City
ROGOWSKI, BRUNO	New York City
ROHN, JULIUS	Montclair, N. J.
ROSE, JOSEPH	New York City
ROTHSCHILD, DAVID	New York City
RUSSELL, FRANK DANIEL, JR.	New York City
RUTHARDT, RUDOLPH MAXIMILIAN	Front Royal, Va.
SALSBUURY, MILTON SAMUEL	New York City
SAMUELS, MILTON	New York City
SCHEDER, FERDINAND C.	Mt. Vernon, N. Y.
SCHENCH, WILLIAM ALLEN	New York City
SCHMIDT, WILLIAM CHARLES	New York City
SCHULTZ, LOUIS C.	Florida, N. Y.
SEEBOLD, PETER JOSEPH	New Rochelle, N. Y.
SEIL, GILBERT EDWARD	Perth Amboy, N. J.
SEITZ, HUGO F.	Dayton, Ohio
SELVAGE, NOTMAN	Newark, N. J.
SEMPLE, ROBERT ALEXANDER	Glasgow, Scotland
SHAW, GEORGE AUGUSTUS	New York City
SIME, CHESTER ROBERT	New York City
SIMON, CLARENCE	New York City
SIMON, LEON GILBERT	New York City
SINCLAIR, CHARLES GOODWIN	New York City
SKINNER, THOMAS WAYNE	Dunmore, Pa.
SLOBODEIN, MORRIS ABRAHAM	New York City
SMITH, EDWIN CHESTER	Elizabeth, N. J.
SMITH, JOHN ALOYSIUS	New York City
SPENCER, HENRY GEORGE	New York City
SQUIER, GEORGE FRANCIS	Saltillo, Coahuila, Mexico
STAGG, HYACINTO	New York City
STAIGER, BERTRAM CHAMBERLIN	Newark, N. J.
STARRELS, ABRAM	Philadelphia, Pa.
STEINDLER, EUGENE	New York City
STEWART, WILLIAM ELMER, JR.	Astoria, N. Y.
STONE, JOHN CHRISTOPHER, JR.	New York City
STROBEL, ROGER LOUIS	New York City
STRUTHERS, TITUS ROYDEN	New York City
SUESSENGUTH, CURT PAUL JUSTUS	Grantwood, N. J.
SUVERKKROP, EDWARD ALBERT, JR.	New York City
SWALLOW, HOWARD JOHN	New York City
SWARTZ, MILTON D.	Baltimore, Md.

TAG, WALTON.....	New York City
TASHOF, IVAN POPPERS.....	Washington, D. C.
TAYLOR, ELLIS WING.....	Los Angeles, Cal.
THORN, FREDERICK C.....	New York City
TODD, OLIVER VEL.....	Golden's Bridge, N. Y.
TONKING, WILLIAM W.....	Dover, N. J.
TRILLICH, BERTRAM LAWRENCE.....	New York City
VALDIS, A. P.....	New York City
VALENTINE, C. H.....	New York City
VAN KEUREN, HENRY PHILIP TAPPAN.....	Howell, Mich.
VERPLANCK, EDWARD FENNO.....	Fishkill-on-Hudson, N. Y.
WAGNER, FRANK HARTMAN.....	Buffalo, N. Y.
WALTER, LOUIS.....	Maspeth, N. Y.
WELCH, E. W.....	Rutherford, N. J.
VON WEDELL, HANS ADAM.....	New York City
WELLE, EBERHARD.....	Paterson, N. J.
WETJEN, HENRY WILLIAM.....	New York City
WHITE, WILLIAM C.....	Englewood, N. J.
WILSON, LEROY.....	New York City
WOLFF, CHARLES.....	New York City
WOOD, JAY PENDLETON.....	New York City
WRIGHT, RICHARD CONTANT.....	Ferrytown, N. Y.
YOUNG, JAMES HERBERT.....	New York City
ZOGBAUM, FERDINAND.....	New York City
ZUCKERBROT, PHILIP LOUIS.....	New York City

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NON-MATRICULATED STUDENTS

ARNOLD, J. LORING, A.B. 1891; Ph.D. Leipsig 1897.....	New York City
BEDFORD, C. O.....	New York City
BELKNAP, WARD BRODHEAD.....	New York City
BIRCH, G. HOWARD.....	New York City
CHAMBERLIN, EGBERT C.....	New York City
DUBIN, M. J.....	New York City
FARGO, ARTHUR H.....	Batavia, N. Y.
FONCERRADA, J. M.....	New York City
FRENCH, FRED F.....	New York City
FUDJI, GILBERT J.....	New York City
GLASSFORD, JOHN, Phar.D. N. Y. College of Pharmacy.....	Jersey City, N. J.
HAINES, HAROLD W., B.S.....	New York City
KENT, PETER LORILLARD.....	New York City
KREMP, LOUIS MILLER.....	Reading, Pa.
MALCOMSON, A. BELL, JR.....	Freeport, N. Y.
MARCUS, CHARLES, A.B. 1906.....	New York City
OTTO, CHARLES W.....	New York City
SCHIRMER, REUS EDWARD, B.S. M.I.T.....	West Roxbury, Mass.
SCHLICHTEN, GEORGE WILLIAM, JR.....	New York City
YOSHIDA, TORJOHICHI.....	New York City
Non-matriculated.....20	

Attended Summer Session 1908, but did not enter 1908-1909.

ALEXANDER, ELLIOT RITCHIE.....	Blue Point, N. Y.
BRAZIL, AUGUSTO DE MOURA.....	New York City
DANIEL, GEORGE WILLIAM.....	New York City
KRELL, ISADORE.....	New York City

MARTIN, HENRY P.....	Mt. Vernon, N. Y.
MOSES, PAUL EMANUEL.....	New York City
OWEN, WILLIAM ROLAND, JR.....	Denver, Colo.
ROBERT, CHARLES S.....	Plainfield, N. J.
RODRIGUEZ, EDUARDO.....	San José, Costa Rica
SOMMERVILLE, RUFUS JOHN.....	New York City

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SUMMARY

UNDERGRADUATE STUDENTS

	Second Year	Third Year	Fourth Year	Totals
SCHOOL OF MINES:				
Mining Engineering.....	96	44	15	155
Metallurgy.....	6	4	3	13
SCHOOL OF CHEMISTRY:				
Chemistry.....	5	2	3	10
Chemical Engineering.....	11	6	4	21
SCHOOL OF ENGINEERING:				
Civil Engineering.....	54	25	20	99
Electrical Engineering.....	23	23	18	64
Mechanical Engineering.....	38	17	18	73
	233	121	81	435

FIRST-YEAR CLASS.....	206
NON-MATRICULATED.....	20
STUDENTS FROM COLUMBIA COLLEGE.....	22
Total.....	683

FACULTY OF POLITICAL SCIENCE

ESTABLISHED 1880

Officers of the Faculty

- JOHN W. BURGESS, Ph.D., LL.D. . . . *Dean and ex-officio Member of the University Council*
 WILLIAM R. SHEPHERD, Ph.D. *Secretary*
 MUNROE SMITH, J.U.D., LL.D. (Term expires 1910) . . . *Elected Delegate to the University Council*
 EDWIN R. A. SELIGMAN, Ph.D., LL.D. (Term expires 1911) . . . *Elected Delegate to the University Council*

The Faculty

- NICHOLAS MURRAY BUTLER, Ph.D., LL.D. (Cantab.), Litt.D. (Oxon.),
President
 JOHN W. BURGESS, Ph.D., LL.D. *Ruggles Professor of Political Science and Constitutional Law*
 * MUNROE SMITH, J.U.D., LL.D. *Professor of Roman Law and Comparative Jurisprudence*
 FRANK J. GOODNOW, A.M., LL.D. . . . *Eaton Professor of Administrative Law and Municipal Science*
 EDWIN R. A. SELIGMAN, Ph.D., LL.D. *McVickar Professor of Political Economy*
 HERBERT L. OSGOOD, Ph.D., LL.D. *Professor of History*
 1 JOHN BASSETT MOORE, LL.D. *Hamilton Fish Professor of International Law and Diplomacy*
 WILLIAM A. DUNNING, Ph.D., LL.D. *Lieber Professor of History and Political Philosophy*
 FRANKLIN H. GIDDINGS, Ph.D., LL.D. *Professor of Sociology and the History of Civilization*
 JOHN B. CLARK, Ph.D., LL.D. *Professor of Political Economy*
 JAMES HARVEY ROBINSON, Ph.D. *Professor of History*
 WILLIAM M. SLOANE, Ph.D., L.H.D., LL.D. . . . *Seth Low Professor of History*
 1 HENRY R. SEAGER, Ph.D. *Professor of Political Economy*
 HENRY L. MOORE, Ph.D. *Professor of Political Economy*
 2 WILLIAM R. SHEPHERD, Ph.D. *Professor of History*

¹ Absent on leave, 1908-09.

² Absent on leave first half-year.

³ Absent on leave second half-year.

JAMES T. SHOTWELL, Ph.D.....	<i>Professor of History</i>
GEORGE W. BOTSFORD, Ph.D.....	<i>Adjunct Professor of History</i>
VLADIMIR G. SIMKHOVITCH, Ph.D.....	<i>Adjunct Professor of Economic History</i>
EDWARD THOMAS DEVINE, Ph.D....	<i>Schiff Professor of Social Economy</i>
HENRY JOHNSON, A.M.....	<i>Professor of History in Teachers College</i>
CHARLES A. BEARD, Ph.D.....	<i>Adjunct Professor of Politics</i>
SAMUEL McCUNE LINDSAY, Ph.D.....	<i>Professor of Social Legislation</i>
ALBRECHT F. K. PENCK, Ph.D..	<i>Kaiser Wilhelm Professor of German History and Institutions, 1908-09</i>

GENERAL STATEMENT

The Faculty of Political Science has charge of the university courses of instruction and research in political and social science, including history, economics, public law, and comparative jurisprudence.

The School of Political Science was opened on Monday, the fourth day of October, 1880.

It is the purpose of the School to give a complete general view of all the subjects of public polity, both internal and external, from the threefold point of view of history, law, and philosophy. The prime aim is, therefore, the development of all the branches of the political and social sciences. The secondary and practical objects are:

- (a) To fit young men for the public service.
- (b) To give an adequate economic and legal training to those who intend to make journalism their profession.
- (c) To supplement, by courses in public law and comparative jurisprudence, the instruction in private municipal law offered by the Faculty of Law.
- (d) To educate teachers of history, economics, social science, public law, and jurisprudence.

For detailed information in regard to the various courses that are offered with these ends in view, see *Announcement of the Courses in History, Economics, and Public Law*.

ADMISSION AND ATTENDANCE

Every student is required to file a list of his studies for the academic year at the time he registers, or *within one week* thereafter, at the office of the Registrar. If he subsequently wishes to make any change in his studies he must file written notice of his wish at the Dean's office, and must obtain the assent of the Dean.

Admission to the School of Political Science does not imply admission to candidacy for a degree. The conditions of candidacy for the several degrees are given on page 179. Students should also familiarize themselves with the separately printed pamphlet entitled

Faculties of Political Science, Philosophy, and Pure Science, which may be had upon application to the Secretary of the University.

Women who hold a baccalaureate degree are admitted to the School of Political Science as students in history and economics and may become candidates for the higher degrees.

Admission to other Courses

Any duly matriculated university student is at liberty to combine, without any additional fee, courses of study and investigation under this Faculty with courses offered by other Faculties of the University and with courses offered in the College.

FEES

(See page 35)

COURSES OF INSTRUCTION

For information regarding the courses offered in 1908-09 see statement under groups of subjects, as follows:

Economics and Social Science, page 85.

History and Political Philosophy, page 110.

Public Law and Comparative Jurisprudence, page 118.

For more detailed accounts of the courses and for the tender of 1909-10, application should be made for the *Announcement of the Division of History, Economics, and Public Law*.

Seminars

Outside of the regular instruction in the various subjects by lecture, opportunity is furnished to the students of the School for the special investigation of historical, legal, economic, and social questions under the direction of the professors. This is done by means of original papers prepared by the students. The papers are read before the professor and the students, and are then criticised and discussed. There will be at least one seminar in each subject. The number of meetings and the topics to be discussed are determined each year. Attendance at the seminar in the major subject is required of candidates for the degree of Master of Arts or Doctor of Philosophy.

Yale-Columbia Courses in Preparation for Foreign Service

A system of courses has been inaugurated by Yale University and Columbia University, to prepare students for work in foreign countries, either in the service of the United States Government, in business enterprises, or as missionaries or scientific investigators.

The courses are intended to make the student familiar with the general subjects required for successful work in foreign countries and to enable him, by means of this knowledge, to gain quick mastery of

special problems that present themselves in diverse occupations and regions. More special courses of instruction are intended to convey knowledge relating to particular regions in which the student intends to carry on his work.

The successful completion of the courses offered, which will normally occupy three years in the case of candidates for the consular service, and two years in the case of candidates for other foreign service in special fields, will entitle the student, on recommendation of the joint committee in charge of the course of studies, to an appropriate certificate signed by the Presidents of Yale University and Columbia University. Subject to the rules of the two coöperating institutions, candidates for certificates are admitted to candidacy for the regular academic degrees.

The course of study is framed primarily for graduate students, but it is also open to specially qualified students who have not completed the full college course. Students are expected to have completed successfully at least two years of undergraduate work at either Yale University or Columbia College, or to give proof of equivalent training.

Candidates for a certificate must prove their ability to read French or German, and must have completed the regular college courses on the general principles of economics, American history, and European history of the nineteenth century.

The program of studies includes seven divisions: (1) Languages, (2) Geography, (3) Ethnography, (4) History, (5) Religions, (6) Economics, (7) Law.

For detailed information concerning these courses apply to the Dean of the Graduate School, Yale University, New Haven, Conn., or to the Secretary of Columbia University, New York City.

FACULTY OF PHILOSOPHY

ESTABLISHED 1890

Officers of the Faculty

- EDWARD DELAVAN PERRY, Ph.D., LL.D. . . . *Dean and ex-officio Member
of the University Council*
 GEORGE N. OLCOTT, Ph.D. *Secretary*
 GEORGE RICE CARPENTER, A.B., D. C. L. (Term expires 1910) . . *Elected
Delegate to the University Council*
 FREDERICK J. E. WOODBRIDGE, A.M., LL.D. (Term expires 1911) *Elected
Delegate to the University Council*

The Faculty

- NICHOLAS MURRAY BUTLER, Ph.D., LL.D. (Cantab.), Litt.D. (Oxon.),
President
 RICHARD JAMES HORATIO GOTTHEIL, Ph.D. . . . *Professor of Rabbinical
Literature and the Semitic Languages*
 HARRY THURSTON PECK, Ph.D., L.H.D., LL.D. . . *Anthon Professor of
the Latin Language and Literature*
 WILLIAM HENRY CARPENTER, Ph.D. . . . *Villard Professor of Germanic
Philology*
² J. McKEEN CATTELL, Ph.D., LL.D. *Professor of Psychology*
³ EDWARD DELAVAN PERRY, Ph.D., LL.D. *Jay Professor of Greek*
 ABRAHAM VALENTINE WILLIAMS JACKSON, Ph.D., L.H.D., LL.D. . *Pro-
fessor of the Indo-Iranian Languages*
 ADOLPHE COHN, LL.B., A.M. *Professor of the Romance Languages
and Literatures*
³ BRANDER MATTHEWS, D.C.L., Litt.D., LL.D. . . *Professor of Dramatic
Literature*
 HENRY ALFRED TODD, Ph.D. *Professor of Romance Philology*
 GEORGE RICE CARPENTER, A.B., D.C.L. . . . *Professor of Rhetoric and
English Composition*
 JAMES RIGNALL WHEELER, Ph.D. *Professor of Greek Archæology
and Art*
 JAMES CHIDESTER EGBERT, Ph.D. *Professor of Latin*
 CALVIN THOMAS, LL.D. *Gebhard Professor of the Germanic
Languages and Literatures*

² Absent on leave first half-year.

³ Absent on leave second half-year.

- ³ Absent on leave second half-year.

ASHLEY HORACE THORNDIKE, Ph.D.....	<i>Professor of English</i>
ARTHUR F. J. REMY, Ph.D.....	<i>Adjunct Professor of Germanic Philology</i>
WILLIAM P. MONTAGUE, Ph.D.....	<i>Adjunct Professor of Philosophy</i>
WILLIAM W. LAWRENCE, Ph.D.....	<i>Adjunct Professor of English</i>
DICKINSON S. MILLER, Ph.D.....	<i>Professor of Philosophy</i>

GENERAL STATEMENT

The Faculty of Philosophy has charge of the advanced courses of instruction and research in philosophy, psychology, education, anthropology, philology, and letters. Any duly matriculated student is at liberty to combine courses of study and investigation under this Faculty with courses offered by the Faculties of Law, Medicine, Political Science, Pure Science, and Applied Science.

Students are received either as candidates for the degrees of Master of Arts and Doctor of Philosophy (see "Regulations for University Degrees," page 179 *et seq.*), or as "non-matriculated students," to pursue special or partial courses.

Students enrolled in any one of the theological seminaries mentioned on page 42, who may be designated for the privilege by the authorities of those institutions, and accepted by the President of Columbia University, are admitted to the courses offered by the Faculty of Philosophy free of all charge for tuition.

These institutions offer reciprocal privileges to students of Columbia University.

COURSES OF STUDY AND RESEARCH

For the courses offered in 1908-09, see departmental statements as follows:

Anthropology, page 59.	Oriental Languages
Comparative Literature, page 82.	Semitic, page 137.
Education, page 89.	Indo-Iranian, page 136.
English, page 97.	Chinese, page 135.
Germanic Languages, page 104.	Philosophy and Psychology, page 145.
Greek (including Archæology and Epigraphy), page 107.	Romance Languages, page 158.
Latin (including Epigraphy and Roman Archæology), page 114.	Science of Language, page 137.

For the courses to be offered for 1909-10, application should be made for the *Announcement of the Schools of Philosophy, Political Science, and Pure Science*, and for the divisional *Announcements of Classical Philology, Modern Languages and Literatures, Oriental Languages, Philosophy, Psychology, and Anthropology*, and of Teachers College, published in the spring of 1908.

FACULTY OF PURE SCIENCE

ESTABLISHED 1892

Officers of the Faculty

WILLIAM HALLOCK, Ph.D.....	<i>Dean and ex-officio Member of the University Council</i>
FRANK N. COLE, Ph.D.....	<i>Secretary</i>
CASSIUS JACKSON KEYSER, Ph.D. (Term expires 1910).....	<i>Elected Delegate to the University Council</i>
ERNEST F. NICHOLS, Sc.D. (Term expires 1911).....	<i>Elected Delegate to the University Council</i>

The Faculty

NICHOLAS MURRAY BUTLER, Ph.D., LL.D. (Cantab.), Litt.D. (Oxon.),	<i>President</i>
J. HOWARD VAN AMRINGE, Ph.D., L.H.D., LL.D.....	<i>Professor of Mathematics</i>
CHARLES F. CHANDLER, M.D., Ph.D. LL.D., Sc.D..	<i>Mitchill Professor of Chemistry</i>
HENRY S. MUNROE, E.M., Ph.D., Sc.D.....	<i>Professor of Mining</i>
JOHN G. CURTIS, M.D., LL.D.....	<i>Professor of Physiology</i>
ALFRED J. MOSES, E.M., Ph.D.....	<i>Professor of Mineralogy</i>
GEORGE S. HUNTINGTON, M.D., Sc.D.....	<i>Professor of Anatomy</i>
HENRY FAIRFIELD OSBORN, LL.D., Sc.D.....	<i>Da Costa Professor of Zoölogy</i>
EDMUND B. WILSON, Ph.D., LL.D.....	<i>Professor of Zoölogy</i>
JAMES F. KEMP, E.M., Sc.D.....	<i>Professor of Geology</i>
WILLIAM HALLOCK, Ph.D.....	<i>Professor of Physics</i>
FRANCIS B. CROCKER, E.M., Ph.D..	<i>Professor of Electrical Engineering</i>
MICHAEL I. PUPIN, Ph.D., Sc.D.....	<i>Professor of Electro-Mechanics</i>
T. MITCHELL PRUDDEN, M.D., LL.D.....	<i>Professor of Pathology</i>
WILLIAM H. BURR, C.E.....	<i>Professor of Civil Engineering</i>
THOMAS SCOTT FISKE, Ph.D.....	<i>Professor of Mathematics</i>
HAROLD JACOBY, Ph.D.....	<i>Rutherford Professor of Astronomy</i>
FRANK N. COLE, Ph.D.....	<i>Professor of Mathematics</i>
FREDERIC S. LEE, Ph.D.....	<i>Professor of Physiology</i>
BASHFORD DEAN, Ph.D.....	<i>Professor of Vertebrate Zoölogy</i>
HENRY M. HOWE, A.M., B.S., LL.D.....	<i>Professor of Metallurgy</i>

- JOHN FRANCIS WOODHULL, Ph.D. *Professor of Physical Science in
Teachers College*
- RICHARD ELWOOD DODGE, A.M. *Professor of Geography in Teachers
College*
- JAMES MACLAY, C.E., Ph.D. *Professor of Mathematics*
- MARSTON TAYLOR BOGERT, A.B., Ph.B., *Professor of Organic Chemistry*
- J. LIVINGSTON RUTGERS MORGAN, Ph.D. *Professor of Physical
Chemistry*
- HENRY E. CRAMPTON, Ph.D. *Professor of Zoölogy*
- DAVID EUGENE SMITH, Ph.D., LL.D. *Professor of Mathematics in
Teachers College*
- WILLIAM J. GIES, M.S., Ph.D. *Professor of Biological Chemistry*
- AMADEUS W. GRABAU, S.D. *Professor of Palæontology*
- HERBERT MAULE RICHARDS, Sc.D. *Professor of Botany*
- GARY N. CALKINS, Ph.D. *Professor of Protozoölogy*
- PHILIP HANSON HISS, JR., M.D. *Professor of Bacteriology*
- CASSIUS J. KEYSER, Ph.D. *Adrain Professor of Mathematics*
- ERNEST FOX NICHOLS, Sc.D. *Professor of Experimental Physics*
- CHRISTIAN A. HERTER, M.D. *Professor of Pharmacology and
Therapeutics*
- LEA MCILVAINE LUQUER, Ph.D. *Adjunct Professor of Mineralogy*
- FREDERICK R. BAILEY, A.M., M.D. *Adjunct Professor of Histology
and Embryology*
- RUSSELL BURTON-OPITZ, M.D. *Adjunct Professor of Physiology*
- THOMAS HUNT MORGAN, Ph.D. *Professor of Experimental Zoölogy*
- CHARLES LANE POOR, Ph.D. *Professor of Astronomy*
- HENRY CLAPP SHERMAN, Ph.D. *Professor of Organic Analysis*
- FRANK LEO TUFTS, Ph.D. *Adjunct Professor of Physics*
- ALBERT P. WILLS, Ph.D. *Adjunct Professor of Mechanics*
- HENRY B. MITCHELL, A.M. *Professor of Mathematics*
- HERMON C. BUMPUS, Ph.D. *Director of the American Museum of
Natural History*
- CHARLES E. LUCKE, M.S., Ph.D. *Professor of Mechanical
Engineering*
- EDWARD KASNER, A.M., Ph.D. *Adjunct Professor of Mathematics*
- NATHANIEL L. BRITTON, Ph.D., Sc.D. *Director of New York
Botanical Garden*
- RICHARD C. MACLAURIN, M.A., LL.M., LL.D. *Professor of
Mathematical Physics*
- CARLTON C. CURTIS, Ph.D. *Adjunct Professor of Botany*
- ALBRECHT F. K. PENCK, Ph.D. *Kaiser Wilhelm Professor of
German History and Institutions, 1908-09*

GENERAL STATEMENT

The Faculty of Pure Science has charge of the advanced courses of

instruction and research in all branches of pure science, and especially the supervision of the candidates for the degrees of Master of Arts and Doctor of Philosophy in pure science. Students under other University Faculties are also at liberty to pursue courses of study and investigation under this Faculty.

Candidates for the higher degrees taking major subjects in pure science will be regarded as under the special jurisdiction of this Faculty.

Graduate students, candidates for the degree of Master of Arts or Doctor of Philosophy, are subject:

1. To the general regulations of the University Council. (See page 179.)
2. To the special regulations of this Faculty.

Special Regulations of the Faculty of Pure Science

The degree of Doctor of Philosophy is awarded on the basis of a thorough training in the methods of advanced work and investigation in some branch of science. The following statements are offered for the guidance of students. In the case of students of special ability or exceptional previous training, the Faculty may modify its usual regulations.

The student is expected to gain a sound general knowledge of the two minor subjects of his choice. In the major subject a much more thorough and special knowledge is required, particular importance being attached to training in research. Each minor subject is intended to occupy approximately one fourth of the time during one year for the degree of Master of Arts, and during one or two years, according to the nature of the subject and the previous training of the candidate, for the degree of Doctor of Philosophy. It is expected that the third year of study, and in certain cases both the second and the third years, will be wholly devoted to the major subject and to investigation for the dissertation.

The approval of the subject of the essay required for the degree of Master of Arts, or the subject of the dissertation required for the degree of Doctor of Philosophy, as well as the essay or dissertation itself, rests with the instructor in charge of the candidate's major subject. It is desirable that these studies should be related, and, when practicable, that they should be treated respectively as preliminary and completed investigations. Great importance is attached to the character of the final dissertation. While it must depend for acceptance chiefly on the subject-matter, it should show good literary workmanship, especially by directness and clearness of statement. It should demonstrate the author's capacity to do original scientific work, and to render an intelligible account thereof. It should evince a familiarity with the literature of the subject, and with the latest applicable methods of research. The treatment should be as con-

cise as the nature of the work permits. Every dissertation should be preceded by a clear introductory statement setting forth the nature and the scope of the research, and be followed by a résumé of the results and the conclusions obtained. It should also be accompanied by a table of contents and by a list of the authorities consulted in its preparation.

Non-matriculated Students

Students who are not candidates for a degree may be permitted to pursue such courses from among those offered by this Faculty as they may be found qualified to enter upon. Each applicant must demonstrate his ability to pursue the course or courses selected, and the judges of his qualifications shall be the heads of the departments in which he proposes to study. In general these special courses are open only to advanced students.

COURSES OF STUDY

For the courses offered for 1908-09, see departmental statements as follows:

Anatomy , page 56.	Geology , page 101.
Astronomy , page 63.	Mathematics , page 121.
Bacteriology , page 64.	Mechanical Engineering , page 124.
Biological Chemistry , page 65.	Mechanics , see Physics .
Botany , page 67.	Metallurgy , page 126.
Chemistry , page 70.	Mineralogy , page 128.
Civil Engineering , page 76.	Mining , page 129.
Electrical Engineering , page 94.	Physics , page 152.
Engineering Drafting , page 96.	Physiology , page 155.
	Zoölogy , page 165.

For more detailed accounts of the courses application should be made for the *Announcements of the Schools of Political Science, Philosophy, and Pure Science*, and for the divisional *Announcements of Biology, of Chemistry, of Geology, Geography, and Mineralogy, of Mathematical and Physical Science*, and of the *Schools of Mines, Engineering, and Chemistry*, published in the spring.

Particular attention is called to the pamphlet entitled *Instructions to Graduate Students*.

REGISTER OF STUDENTS, 1908-9

Under the Faculties of Political Science, Philosophy, and Pure Science¹

ABBOTT, FREDERICK BANCROFT, A.M. 1904, B.S. Emporia 1900....	Providence, R. I. <i>Philosophy, Education</i>
ABELOW, SAMUEL PHILIP, B.S. Columbia 1905.....	New York City <i>History</i>
ADAMS, FLORA DODSON, Ph.B. Chicago 1907.....	Richmond, Va. <i>Germanic, English</i>
ADAMS, FRANCIS FREEMAN, B.S. Acadia 1907.....	Fredericton, Canada <i>Biological Chemistry</i>
ADLERBLUM, ISRAEL SAMUEL, A.B. C. C. N. Y. 1908.....	New York City <i>Economics, Sociology, History</i>
ALBRIGHT, VICTOR EMANUEL, A.B. Ohio Wesleyan 1901, A.M. Harvard 1904, Newark, Del.	<i>English</i>
ALDEN, ISABEL, A.B. Wellesley 1908.....	Summit, N. J. <i>Botany, Education</i>
ALEXANDER, COLIN CUTHBERT, A.M. 1907, A.B. Wofford 1904....	Darlington, S. C. <i>English, Philosophy</i>
ALLES, ROBERT HARRY, A.M. 1908, B.S. C. C. N. Y. 1906.....	New York City <i>English, Germanic</i>
ALLEY, MARY IDA, B.S. Swarthmore 1902.....	Lagrangeville, N. Y. <i>Chemistry, Education</i>
ALLIS, MARY L., B.S. 1906, A.M. 1908.....	Amherst, Mass. <i>Sociology, Economics, History</i>
ALLISON, MAY, A.B. Illinois 1906, A.M. 1907.....	Champaign, Ill. <i>History, Sociology</i>
AMANO, SUICHI, A.M. 1906, A.B. Doninsha 1892.....	Shijuoka, Japan <i>Economics, Sociology, Philosophy</i>
AMEND, CARL GUSTAVE, B.S. 1908.....	New York City <i>Chemistry, Geology</i>
AMOS, FLORA ROSS, A.B. Toronto 1902.....	Aurora, Canada <i>English, Comparative Literature</i>
AMMERMAN, STEPHEN LEWIS, Ph.B. Lafayette 1893, M.S. 1896.....	New York City <i>Physics, Education</i>
ANDREWS, ROY CHAPMAN, A.B. Beloit 1906.....	Beloit, Wis. <i>Anatomy, Zoology</i>
ANDRUS, RUTH, A.B. Vassar 1907, A.M. 1908.....	Oberlin, Ohio <i>Greek, Latin, Classical Archaeology</i>
APPEL, FRANK JOHN, B.S. 1908.....	New York City <i>Germanic, English</i>

¹ Assistants in the University who are at the same time pursuing courses for the higher degrees are not included in this list. Wherever the name of a State is given after a degree, it signifies that the student has graduated from the given State University.

- ARMSTRONG, CLAIRETTE P., A.B. 1908.....New York City
Social Economy
- ARTMANN, FLORENTINE E., A.B. Adelphi 1908.....New York City
Germanic
- ASHE, SYDNEY WITHMORE.....New York City
B.S.Cooper Union 1902, E.E. Bklyn. Polytechnic 1905
Mechanical Engineering, Psychology
- ASKOWITH, DORA, A.B. 1908.....New York City
History
- AULT, JAMES PERCY, A.B. Baker 1904.....Washington, D. C.
Mathematics, Astronomy, Education
- BACHRACH, S., A.B. C. C. N. Y. 1904, LL.B. N. Y. Univ. 1908.....New York City
History
- BACON, HELEN ESTELLE, Ph.B. Michigan 1892.....New York City
English
- BAGNELL, ROBERT.....New York City
Philosophy, Psychology
- BAILEY, JAMES GARFIELD, A.B. Colgate 1905.....New York City
Sociology, History, Philosophy
- BALDWIN, BURTON JOHN.....Woodbridge, Conn.
A.B. Yale 1903, B.D. Union Theological 1908
Sociology, History
- BALDWIN, FRITZ W., A.M. 1908, A.B. Amherst 1905.....Acworth, N. H.
History, Political Economy
- BARNARD, SEYMOUR.....Buffalo, N. Y.
Social Economy
- BARRET, THOMAS CHARLES, JR.....Shreveport, La.
Economics, History, Jurisprudence
- BARRICK, SAMUEL LLOYD, A.B. 1905.....Jersey City, N. J.
History
- BARROWS, WALTER LORING, A.B. Princeton 1907.....Greenwich, Conn.
Geology, Mineralogy, Palæontology
- BASCH, EDITH A., A.B. N. Y. Normal 1905.....New York City
Botany, Zoölogy
- BASTANCHURY, GASTON ANTHONY.....Fullerton, Calif.
M.S. St. Vincent's 1903, E.M. Colorado School of Mines 1907
Geology, Spanish
- BAXTER, RICHARD WAVERLY, A.B. Cincinnati 1906.....New York City
Philosophy
- BEACH, KING D., A.B. Albion 1905, A.M. Pennsylvania 1907.....Denton, Mich.
Social Economy
- BEAL, GEORGE DENTON, Ph.B. Scio College 1908.....Scio, Ohio
Chemistry
- BEAN, SUSAN AUSTIN, A.B. Bryn Mawr 1905.....Binghampton, N. Y.
English, Philosophy
- BECKER, GEORGE JEREMIAH, A.B. Syracuse 1906.....Amsterdam, N. Y.
Philosophy
- BECKWITH, MARTHA W., A.M. 1906, B.S. Mt. Holyoke 1893.....Montclair, N. J.
English
- BEECKMAN, FLORENCE LOUISE, A.B. 1904, A.M. 1905.....New York City
History
- BELCHER, ROBERT WALDO, A.B. Harvard 1905.....Newark Valley, N. Y.
History
- BENEDICT, RALPH CURTISS, Ph.B. Syracuse 1906.....New York City
Botany, Geology
- BERGAMINI, RACHEL, B.S. 1908.....New York City
English, Education

- BERGMAN, HIPPOLYTE.....New York City
B.S. C. C. N. Y. 1904, B.S. N. Y. Univ. 1906, C.E. 1908
Mineralogy, Geology, Physics
- BERKOWITZ, LOUIS, A.B. 1907.....New York City
Germanic, Education
- BERNARD, FLOYD ERWIN, Ph.B. Chicago 1908.....Arcade, N. Y.
Sociology
- BEST, HARRY.....Millersburg, Ky
A.M. 1908, A.B. Centre 1901, A.M. George Washington 1902
Social Economy, History
- BEVAN, WILSON LLOYD.....New York City
A.M. 1889, A.B. Johns Hopkins 1886, Ph.D. Munich, 1893
Semitics
- BEYER, BARNET JULIUS, A.B. Bklyn. Poly. 1908.....New York City
English, Comparative Literature, Philosophy
- BEYER, WILLIAM ANDREW LAWRENCE, A.B. Ohio State 1906, M.A. 1908.. Arlington, O.
History, Philosophy, Administrative Law
- BIERMAN, HENRY, A.B. 1907.....New York City
Romance
- BILLINGSLEY, PAUL, A.B. 1908.....New York City
Geology, Palaeontology
- BISHOP, MERLE, A.B. Hamilton 1902, A.M. 1905.....Whitesville, N. Y.
Mathematics, Education
- BISSEL, KENNETH MCLEOD, A.B. Yale 1907.....New York City
Romance, Comparative Literature
- BISSELL, REV. PELHAM ST. GEORGE.....Freeport, N. Y.
A.B. 1880, A.M. 1904, A. K. C. Kings 1899
Sociology, Economics, History
- BLAKE, EUGENE H., A.B. South Carolina 1907.....Greenwood, S. C.
English
- BLAKEY, LEONARD STOTT, B.S. Beloit 1904.....Estherville, Iowa
Sociology, Economics, Philosophy
- BLANCHARD, RALPH CARPENTER, B.S. Rose Polytechnic 1905.....Terre Haute, Ind.
Geology
- BLOHM, ALBERT, A.B. Wabash 1906.....Lents, Oregon
English, Comparative Literature
- BLUMBERG, HENRY, A.B. 1907, A.M. 1908.....New York City
Mathematics, Mathematical Physics, Physics
- DE BOER, JOSEPHINE MARIE, B.S. 1907.....Yonkers, N. Y.
English, Romance
- BOESÉ, ELEANORE.....Larchmont, N. Y.
Sociology
- BOGERT, CHARLOTTE RITZEMA, A.M. 1905, A.B. Swarthmore 1904....New York City
Latin, Greek
- BOHN, FRANK.....Warrensville, Ohio
Ph.B. Ohio State 1900, M.A. Wisconsin 1901, Ph.D. Michigan 1904
Political Philosophy
- BOIES, BESSIE.....Hudson, Mich.
History
- BOISEN, ANTON T., A.B. Indiana 1897.....Bloomington, Ind.
Sociology, Social Economy
- BORCHARDT, EDWIN MONTEFIORE, B.S. 1908, LL.B. N. Y. Law 1905....New York City
International Law, Administrative Law, Jurisprudence
- BOURN, AUGUSTUS OSBORNE, JR., A.M. 1908, LL.B. 1908, B.C.S. 1908.. Bristol, R. I.
Administrative Law
- BOWIE, WILLIAM CLAYTON, A.B. Tri-State 1898.....North Tonawanda, N. Y.
Sociology, Political Economy, Psychology

- BOYLE, ALBERT C, JR., B.S. Utah 1906.....Salt Lake City, Utah
Geology, Mining
- BRADFORD, ARTHUR H.....New York City
Political Economy, Sociology, History
- BRAININ, CLEMENT S., A.B. 1908.....New York City
Physics, Astronomy
- BRAININ, ELLA, A.B. N. Y. Normal 1905, B.S. N. Y. Law 1908.....New York City
Germanic, Comparative Literature
- BREHAUT, ERNEST.....Colorado Springs, Colo.
A.B. Dalhousie 1894, A.B. Harvard 1896, A.M. 1897
History, Sociology
- BREHAUT, MARGUERITE, A.B. 1901.....Colorado Springs, Col.
Comparative Literature
- BRESSLER, HELEN BARBARA, A.B. Lebanon Valley 1905.....Lebanon, Pa.
English
- BRETT, GEORGE MONROE, A.B. Bowdoin 1897.....Auburn, Me.
Mathematics
- BREWER, FRANCIS EZRA, A.B. Cornell 1892, A.M. Indiana 1893.....New York City
Latin
- BREWSTER, JOHN ALFRED, A.B. Harvard 1895.....Geauga Lake, Ohio
Philosophy
- BRIGHAM, LEONARD WARD.....New York City
B.S. Lombard 1886, M.S. 1886, M.D. Bennett 1888
Sociology, Economics, Anthropology
- BRILL, ABRAHAM.....New York City
English, Education
- BRITTAIN, WILLIAM MACKELLAR.....New York City
A.M. 1907, B.S. N. Y. Univ. 1906, LL.B. 1906, J.D. 1908
Sociology, Social Economy, Constitutional Law
- BROWN, ARTHUR SELWYN, M.A. 1908, B.S. N. Y. Univ. 1906.....New York City
Administrative Law
- BROWNE, MABEL EMMA, A.B. 1906, A.M. 1908.....New York City
Mathematics
- BROWNE, THOMAS QUINCY, JR., A.M. 1907, A.B. Harvard 1888.....Morristown, N. J.
Geology, Physics, Education
- BRUNE, CLARENCE MARION.....New York City
Ph.B. 1890, A.B. Harvard 1890, Ph.D. Illinois Wesleyan 1899,
D.C.L. Catholic Univ. 1908
Social Economy, Sociology, English
- BRYDEN, CHARLES L., E.M. Lafayette 1902, B.S. 1904.....Easton, Pa.
Metallurgy, Mining
- BUCHBINDER, HYMAN ELIAS, B.S. C. C. N. Y. 1901.....New York City
Chemistry, Biological Chemistry
- BUCHER, MARIA EDNA, A.B. Woman's Col. 1905.....Lebanon, Pa.
Germanic
- BUDDS, MARY HARNOR, A.B. 1908.....New York City
History, Anthropology
- BUNNING, EDWARD, B.S. C. C. N. Y. 1906.....New York City
English
- BURGESS, JOHN STEWART, A.B. Princeton 1905.....Trenton, N. J.
Sociology, Philosophy of Religion, History
- BURLINGAME, A. ELIZABETH, A.B. Syracuse 1900.....E. Springfield, N. Y.
English, History
- BURR, MARJORIE, A.B. Vassar 1899.....Williamstown, Mass.
English, Comparative Literature
- BURNHAM, REUBEN WESLEY, A.B. Amherst 1895.....New York City
Physics

- BURTON, EUNICE, A.B. Mt. Holyoke 1908.....Waterford, N. Y.
English, Education
- BUSH, MARY LOUIE.....New York City
Greek, History
- BUSSEY, GERTRUDE CARMAN, A.B. Wellesley 1908.....Mt. Vernon, N. Y.
Philosophy
- BUTLER, BERTRAM THEODORE, Ph.B. Hamline 1901.....Helena, Montana
Botany
- BUTLER, PIERCE, Ph.B. Dickinson 1906.....Pittsfield, Mass.
History, Sociology
- BYRNE, SISTER MARIE JOSE, A.B. St. Elizabeth 1902.....Convent Station, N. J.
Greek, Latin, Classical Archaeology
- CAMERA, AMERICO W., Ph.B. N. Y. Univ. 1900, A.M. 1901.....New York City
Romance, Germanic
- CANADAY, WARD MURPHY, A.B. Harvard 1907.....New Castle, Ind.
Philosophy
- CANN, BERTHA, A.M. 1902, A.B. Oberlin 1896.....Oberlin, Ohio
English
- CANNON, GERTRUDE LOUISE, A.B. 1907.....New York City
Botany, Zoology
- CARPENTIER, MARIUS A., B.S. C. C. N. Y. 1889.....New York City
Romance
- CARRIER, RALPH WILBUR, A.B. Carroll 1908.....Waukesha, Wis.
Political Economy, Constitutional Law, Sociology
- CARTER, EMILY B., A.B. Washington State 1904.....Los Angeles, Cal.
History, Education
- CARTER, GEORGE BRADLEY, B.S. Amherst 1906.....New York City
History, Sociology
- CARTON, MAX.....New York City
Social Economy
- CATLIN, WARREN BENJAMIN, A.B. Nebraska 1903.....Peru, Neb.
Political Economy, Sociology, Administrative Law
- CHAMBERLAIN, CLARK WELLS, A.B. Denison 1894.....Poughkeepsie, N. Y.
Physics, Electrical Engineering
- CHAMBERS, ROBERT NEWTON, LL.B. 1907, A.B. Princeton 1904.....New York City
History
- CHEN, HUAN CHANG, Ph.D. China 1904.....Canton, China
Political Economy, Sociology, Constitutional Law
- CHEN, WEI FAN, A.B. Peking 1904, B.S. Ohio Wesleyan 1906.....Peking, China
Metallurgy, Mining, Chemistry
- CHENOWETH, IRVING SHOEMAKER, A.B. Eureka, 1905, A.M. 1907....Chambersburg, Ill.
Sociology
- CHERTOFF, PAUL, A.B. N. Y. Univ. 1908.....New York City
Philosophy, Syriac, Sociology
- CHIDLEY, HOWARD JAMES, A.B. Dartmouth 1906.....Powles Corner, Ont.
Sociology
- CHITTICK, VICTOR LOVITT OAKES.....Hautsport, N.S., Can.
A.B. Acadia 1905, A.M. 1906, A. M. Harvard 1908
English
- CHOW, TSUNG HUA, Ph.B. Yale 1908.....Tien-tsin, China
International Law, Constitutional Law, Administrative Law
- CLAPP, ELSIE RIPLEY, A.B. 1908.....New York City
English, Philosophy
- CLARK, ERNEST DUNBAR, A.B. Harvard 1908.....Rochdale, Mass.
Chemistry, Biological Chemistry
- COHEN, HELEN LOUISE, A.B. 1903, A.M. 1905.....New York City
English, Comparative Literature

- COMPTON, ALFRED DONALDSON, B.S. C. C. N. Y. 1897.....New York City
Comparative Literature, Romance
- CONGER, GEORGE PERRIGO, A.B. Cornell 1907.....Owego, N. Y.
Sociology
- COOK, ELIZABETH CHRISTINE, A. M. 1902, A. B. Smith 1899....Northampton, Mass.
English, Comparative Literature
- COOK, HAROLD JAMES.....Agate, Neb.
Zoölogy
- COOPER, CLIVE FORSTER, A.B. Cambridge 1901.....London, England
Zoölogy
- COOTER, JAMES T., A.B. Wabash 1884, A.M. 1888.....New York City
Philosophy
- COPLIN, MARY, A.B. West Virginia 1906.....Boothsville, W. Va.
English, Philosophy
- CORSON, LIVINGSTON, B.S. Pennsylvania 1904.....Norristown, Pa.
Germanic, Latin
- CORTS, FREDERICK L., B.S. C. C. N. Y. 1908.....New York City
Chemistry
- COSS, JOHN JACOB, A.M. 1908, A.B. Wabash 1906.....Greencastle, Ind.
Philosophy, History
- CRAIG, PERCY GAINES, A.M. 1908, A.B. Arkansas 1906,.....Little Rock, Ark.
Germanic
- CRAWFORD, CARL EDWIN, A.B. Indiana 1908.....New Albany, Ind.
Metallurgy, Mineralogy
- CRONYN, THOREAU, A.B. Leland Stamford.....San Diego, Calif.
Sociology
- CURTIS, ALLEN LEWIS, A.B. Beloit 1897, B.D. Chicago 1901....Castlewood, So. Dak.
Sociology, Social Economy, Philosophy of Religion
- CURTIS, CHARLES DENSMORE, A.B. Pomona 1900, A.M. Colorado 1901. Cragmoor, N. Y.
Latin, Greek
- DAVIES, THOMAS.....New York City
A.B. Kings 1899, A.M. 1902, B.D. General Theological 1908
Philosophy
- DAVIS, ALICE, M.A. 1904, Ph.B. Chicago 1899.....New York City
Social Economy
- DAVIS, AMY ELIZA, Ph.B. Wesleyan 1904.....New York City
Physics, Mineralogy
- DAVIS, DAVID WILLIAM, A.B. Ohio Northern 1905, B.D. Drew 1908....Rempel, Ohio
Sociology, Political Economy, History
- DAVIS, EDWARD BASSFORD, A.B. Williams 1907.....Richmond, Mass.
Sociology, English History, Church History
- DAVIS, WILLIAM ORA, A.B. Wabash 1907.....Crawfordsville, Ind.
Sociology
- DAY, ALICE H., A.B. Bryn Mawr 1902.....New York City
Romance
- DE CON, NELLIE MAUDE, B.S. 1907.....Kaw, Oklahoma
English
- DELANO, JANE ARMINDA.....New York City
Social Economy
- DEMAREST, IRVING COMES, A.B. 1908.....Hackensack, N. J.
Greek, Latin, Sanskrit
- DE MARTIN, JOHN BAPTIST, A.B. Lyceo, Milan 1896, LL.D. Rome 1900....Milan, Italy
Social Economy
- DEMCOTT, OREY MASON, A.B. Keuka 1903, B.D. Union 1907.....Paterson, N. J.
Sociology, Church History, Philosophy of Religion
- DENISON, EVELYN MATTOCKS, A. B. Wellesley 1895, A.M. 1898.....Yonkers, N. Y.
English

- DENMEAD, DWIGHT HEWES, B.S. Iowa 1908.....Marshalltown, Iowa
Political Economy, Sociology, Constitutional Law
- DENNIS, OLIVE WETZEL, A.B. Woman College 1908.....Baltimore, Md.
Mathematics, Astronomy
- DE WALSH, FAUST CHARLES, A.B. Rochester 1903.....New York City
Germanic, Romance
- DEWING, EDWARD OGDEN, B.A. Amherst 1908.....New York City
Economics, Sociology, Jurisprudence
- DIMMICK, WILLIAM W.....Margaretsville, N. Y.
Jurisprudence
- DODD, FREDERICK FERRIS, B.A. Yale 1905.....New York City
History, Education
- DODD, ROLLIN, B.S. Whitman 1906.....Seattle, Wash.
Philosophy
- DODGE, ARTHUR ROSWELL.....New York City
Social Economy
- DONOHUE, PETER.....New York City
Philosophy
- DOTY, ELEANOR STRANAHAN, A.B. Northwestern 1903.....New York City
English
- DOTY, KATHARINE SWIFT, A.B. 1904, A.M. 1905.....New York City
History
- DUNN, WILLIAM PARMLY, A.B. Princeton 1908.....Philadelphia, Pa.
Sociology
- EASTMAN, MAX, A.B. Williams 1905.....Elmira, N. Y.
Philosophy
- EDELBLUTE, LUCIUS AARON, A.M. 1907, A.B. Kenyon 1904.....Chicago, Ills.
History
- EDDY, WALTER HOLLIS, A.M. 1908, B.S. Amherst 1898.....New York City
Biology
- EDMUNDO, SAMUEL S., B.S. Worcester Poly. 1899.....New York City
Mathematics
- EDWARDS, SAMUEL SUMNER, B.S. Worcester Polytechnic 1899.....New York City
Mathematics
- ELTING, MABEL, A.B. 1901.....New Paltz, N. Y.
English
- EMERSON, ETHEL MAY, A.B. Cornell 1902.....New York City
English
- EMMANUEL, BOUBILA P., B.S. Paris 1907.....Paris, France
English
- FAIRCHILD, JULIA WILLARD, A.B. Oberlin 1893.....Suffern, N. Y.
Sociology
- FASVOLSKY, ELAINE, A.B. Russia 1902.....New York City
Sociology, Economics, Philosophy
- FAUST, CHARLOTTE C., A.B. Cornell 1905.....New York City
Germanic
- FEIGENBAUM, WILLIAM MORRIS, A.B. 1907, A.M. 1908.....New York City
History, Political Economy
- FEINBERG, BENJAMIN GEORGE, B.S. C. C. N. Y. 1906.....New York City
Chemistry, Metallurgy
- FENNER, CLARENCE NORMAN, E.M. 1892.....Paterson, N. J.
Geology, Mining
- FERGUSON, AGNES B., B.S. Cornell 1894, M.S. 1895.....Rolfe, Iowa
Germanic, English
- FERGUSON, JOHN MAXWELL, A.B. Harvard 1908.....Jamaica, N. Y.
History, Political Economy

- FICHANDLER, ALEXANDER, A.B. N. Y. Univ. 1905.....New York City
Sociology, Economics, Education
- FINCKE, WILLIAM W., Ph.B. Yale 1901.....New York City
Sociology
- FISCHER, MARY LOUISE, A.B. N. Y. Normal 1908.....New York City
Germanic, Education, English
- FISHER, EDGAR JACOB, A.B. Rochester 1906, A.M. 1907.....Rochester, N. Y.
History, Political Economy
- FITCH, GEORGE ASHMORE, B.S. Wooster 1906.....New York City
Chinese
- FLATOW, JACOB, A.B. C. C. N. Y. 1904.....New York City
Romance, Latin
- FLYNN, ELLA L., A.B. N. Y. Normal 1907.....New York City
Latin
- FLYNN, M. LOUISE, A.B. N. Y. Normal 1907.....New York City
Latin
- FONTAINE, MARIE LOUISE, A.B. 1905.....New York City
Philosophy
- FORMAN, HUGH LOCKHART, A.B. Wooster 1907.....Wooster, Ohio
Sociology, Philosophy of Religion, Church History
- FORSYTHE, ROBERT STANLEY, B.L. Lincoln 1908.....Lincoln, Ill.
English, Comparative Literature
- FRACHTENBERG, LEO J., A.M. 1906.....Vienna, Austria
Linguistics, Indo-Iranian, Anthropology
- FRANK, COLMAN DUDLEY, Ph.B. Michigan 1897, A.M. 1901.....Toledo, Ohio
Romance, English
- FRANK, MRS. GEORGE S., A.B. Vassar 1896.....New York City
Sociology
- FRANKE, CLARA ELSA, B.S. 1907, A.M. 1908.....New York City
Germanic
- FRIEDMAN, WILLIAM HENRY, E.E. 1907.....New York City
Physics, Astronomy, Education
- FRIESS, LOTTIE LUCIE, B.S. 1908.....New York City
German, French
- GARNIER, HORATIO KNIGHT, A.M. 1908.....New York City
Romance
- GATLIN, DANA ELIZABETH, A.B. Kansas 1905.....Minneapolis, Minn.
English, Comparative Literature
- GEHLKE, CHARLES ELMER, A.B. Western Reserve 1906.....Cleveland, Ohio
Sociology, Economics, History
- GELBACH, MARIE, A.B. 1906, A.M. 1907.....New York City
Germanic, French
- GEPHART, WILLIAM FRANKLIN,.....Columbus, Ohio
 A.B. Ohio State 1905, A.M. 1907
Political Economy, Sociology, Administrative Law
- GERRISH, WM. CHURCHILL, A.M. 1907, A.B. Harvard 1899.....New Canaan, Conn.
History, Sociology
- GETTLER, ALEXANDER OSCAR, B.S. C. C. N. Y. 1904.....New York City
Chemistry, Physics
- GILBERTSON, HENRY STIMSON, A.B. California 1903.....Oakland, Calif.
History, International Law
- GILLIES, HARRY HENDERSON, A.B. Kings 1897.....New Brunswick, Can.
Philosophy, History
- GODSMITH, WILLIS L., A.B. Washburn 1908.....Athol, Kan.
Philosophy, Sociology and Statistics
- GOERTNER, ROSAMOND, B.S. 1907.....New York City
History

- GOLDSMITH, ALFRED NORTON, B.S. C. C. N. Y. 1907.....New York City
Physics, Mathematical Physics, Mathematics
- GORDAN, GERALD, A.B. Lafayette 1895.....Philadelphia, Pa.
English
- GOSFINKLE, JOSEPH ISAAC, A.B. Harvard 1903, A.M. 1904.....Boston, Mass.
Semitics
- GORTNER, ROSS AIKEN, B.S. Nebraska Wesleyan 1907, A.M. Toronto 1908. Lincoln, Neb.
Chemistry, Physics
- GRAHAM, SUSAN P., A.B. Cornell 1904.....Fulton, N. Y.
English
- GRATEGNEY, RALPH K.....Edgewater, N. J.
Physics
- GRAVES, GORDON HARWOOD, B.S. Earlham 1905, A.B. Haverford 1906. Richmond, Ind.
Mathematics, Physics, Education
- GREEN, HOWARD CHARLES, A.B. C. C. N. Y. 1902.....New York City
History, Economics
- GREENBERG, JACOB, A.B. C. C. N. Y. 1904.....Metuchen, N. J.
Philosophy
- GREENSLADE, WILLIAM GAINS, A.B. Whitman 1907.....Walla Walla, Wash.
History, Political Economy, Sociology
- GRENDON, FELIX, A.M. 1902, B.S. C. C. N. Y. 1900.....New York City
English
- GROSE, LAURENCE, A.B. Brown 1907.....New York City
English, Comparative Literature
- GRIFFIN, HOWARD COUSENS, A.B. Bowdoin 1904.....Bangor, Me.
Chemistry
- GRIMES, JOHN ALDEN, E.M. Minnesota 1908.....Minneapolis, Minn.
Geology, Palaeontology, Electrical Engineering
- GRINFELD, ISAAC.....New York City
Economics
- GROSS, HENRY ISAAC, B.S. C. C. N. Y. 1906.....New York City
Mathematics
- GROTH, CATHERINE DAAE, B.L. Paris 1905.....New York City
Romance, German
- GWYNN, EDGAR HARTE, A.B. Yale 1906.....Sacramento, Ky.
English, Education
- HAAS, GEORGE CHRISTIAN OTTO, A.B. 1902, A.M. 1903.....New York City
Indo-Iranian
- HADLEY, ROSS ALBERT, B.S. Penn. Col. 1905.....Oskaloosa, Iowa
Sociology, Philosophy, History
- HAESSLER, LUISE, A.B. Chicago 1906.....New York City
Germanic, Linguistics
- HAGEDORN, HERMANN, JR., A.B. Harvard 1907.....New York City
Germanic, English
- HALAMKA, JOSEPH HENRY.....New York City
International Law, Jurisprudence, Economics
- HALL, GAMBLE, B.S. N. Y. Univ. 1908.....New York City
History, English
- HALL, HENRY MARION, A.B. Harvard 1899.....New York City
English, Comparative Literature
- HALL, LINDA, A.B. Smith 1906.....Norwalk, Conn.
English, Education
- HALPERN, MORRIS.....New York City
Sociology, Economics, Roman Law
- HAM, ARTHUR HAROLD, A.B. Bowdoin 1908.....Livermore Falls, Me.
Social Economy, Sociology

- HAM, EDWARD ORVILLE, A.B. Michigan 1907.....Chicago, Ill.
Comparative Literature, English, Philosophy
- HAMILTON, HERBERT FRANKLIN.....Greenfield, Mass.
A.B. Amherst 1897, A.M. Yale 1899, Ph.D. 1907
English
- HAMLIN, MARSTON LOVELL, A.B. Amherst 1908.....New York City
Chemistry, Mineralogy
- HANCOCK, WILLIAM JEROME, B.S. Maine 1888, M.S. 1892.....New York City
Chemistry, Physics, Education
- HAND, FRANCES AMELIA, A.B. Bryn Mawr 1898.....New York City
Romance, English
- HARADA, CHINICHIRO, LL.B. Waseda 1905.....Japan
Political Economy, Sociology, Administrative Law
- HARNIFF, HELEN JOSEPHINE, A.B. 1907.....Brooklyn, N. Y.
Romance, Comparative Literature
- HARRINGTON, HARRY FRANKLIN, A.B. Ohio State 1905.....Columbus, O.
English, Comparative Literature, Education
- HARRIS, FLORENCE BELL, A.B. Cornell 1897.....Jamestown, N. Y.
Romance
- HARRIS, THOMAS LEGRAND.....Bloomington, Ind.
A.B. Indiana 1892, A.M. 1895, A.M. Harvard 1899
History, International Law
- HARTT, LOUISE, A.B. N. Y. Normal Col. 1889, A.M. N. Y. Univ. 1905 New York City
Greek
- HARVITT, HELEN JOSEPHINE, A.B. 1907.....New York City
Romance, Comparative Literature
- HAU, GEORGE WILLIAM.....Holgate, Ohio
B.Pd. Ohio Normal 1899, A.M. Ohio Northern 1905
Germanic, English, Education
- HAUCH, EDWARD F., A.B. Toronto 1907.....Naperville, Ill.
Germanic, English
- HAYDEN, HOWELL MERRIMAN, A.B. Adelbert 1896.....Cleveland, Ohio
Semitics
- HAYMAN, JACOB, M.A. 1906, C.E. Brown 1894.....New York City
Sociology, Social Economy, Philosophy
- HAYNES, GEORGE EDMUND, A.B. Fiske 1903, A.M. Yale 1904.....Hot Springs, Ark.
Social Economy, Education
- HAYWARD, APTON SMITH, B.S. Amherst 1906.....Amherst, Mass.
Germanic, Romance
- HEIDELBERGER, MICHAEL, B.S. 1908.....New York City
Chemistry, Physics
- HEIDGERD, GUSTAV HERMAN, E.E. 1907, A.B. C. C. N. Y. 1903.....New York City
Electrical Engineering
- HEIMROD, ALBERT ADOLPH, B.S. Nebraska 1906.....Switzerland
Metallurgy, Geology, Chemistry
- HELMRICH, ELSIE W., A.B. 1908.....New Rochelle, N. Y.
German, Greek, Latin
- HENDRICKS, WILLIAM EMANUEL, A.B. Yale 1908.....St. Croix, West Indies
Sociology
- HENNING, JULIA R.....Richmond, Va.
English, Philosophy, History
- HENRIQUES, MAURICE COHEN, A.B. C. C. N. Y. 1903.....New York City
Mathematical Physics
- HERBERT, LEON MOSES, A.B. C. C. N. Y. 1906, A.M. 1908.....New York City
Greek, Latin, Romance
- HERRMANN, ALFRED, A.B. 1908.....New York City
Germanic, English

- HERTZOG, WALTER SYLVESTER, A.B. Harvard 1905.....Shamokin, Pa.
Sociology, Political Economy, History
- HEURMANN, HELENA F., A.B. Adelphi.....New York City
Germanic
- HEYNICH, RICHARD OTTO.....Brooklyn, N. Y.
Germanic, English
- HIGGINSON, JAMES JACKSON, JR., A.B. Harvard 1907, A.M. 1908.....New York City
Comparative Literature, English
- HILDRETH, ELLISON S., A.M. Amherst 1906.....Holyoke, Mass.
Chinese
- HILL, EDITH NAOMI, A.B. Smith 1903.....Oak Park, Ill.
English
- HIROMASA, KOSUKE, A.B. Waseda 1905, A.M. Princeton 1907.....New York City
English, Germanic
- HERSCHENSOHN, ESTHER, A.M. 1907, A.B. Paris 1903.....Hoboken, N. J.
Philosophy, Romance
- HIRSCHENSOHN, NIMA, A.M. 1907, A.B. Paris 1903.....Hoboken, N. J.
Philosophy
- HODLEY, HARWOOD, A.B. 1900.....New York City
Greek, Latin
- HOCHDERFFER, MARY J., A.B. Toronto 1893.....Flagstaff, Arizona
Romance
- HODGES, LEONIE ROSE.....Newark, N. J.
Social Economy
- HOERMANN, MARTHA, A.B. 1908.....Hoboken, N. J.
Germanic, Comparative Literature
- HOGUE, ALBERT ARISTA, B.S. Virginia Mil. 1899.....Staunton, Va.
History, Philosophy
- HOHN, JOHN EDWARD, A.B. Indiana 1905.....Bruceville, Ind.
Romance, English
- HOKE, COLIN MORRISON, A.B. N. Y. Normal 1908.....Palisades Park, N. Y.
Botany, Zoology, Physiology
- HOLBROOK, CHARLES HENRY, A.B. Boston 1902, A.M. 1903.....Lynn, Mass.
English, Sociology and Statistics
- HOLT, SARAH ADALINE, A.B. 1903.....Boston, Mass.
Social Economy, History
- HOLTON, ISAIAH M.....Urmiah, Persia
Semitics
- HOOD, ALICE WATKINS.....Baltimore, Md.
A.B. Bryn Mawr 1898, A.M. Radcliffe 1899
Philosophy, Social Economy, Sociology and Statistics
- HORIUCHI, SHUNTARO, A.B. Waseda 1903.....Tokio, Japan
Political Economy, Sociology, International Law
- HOWARD, FLORENCE L., B.S. 1908.....New York City
History
- HOWE, WALTER E.....Jersey City, N. J.
Philosophy
- HOXSEY, GORDON DOUGLAS, A.B. Hobart 1904.....Morristown, N. J.
Philosophy, History
- HOYT, SARAH FENTON, A.B. 1905.....New York City
Semitics
- HUBBARD, WINFIELD SCOTT, B.S. Michigan 1908.....Brentwood, N. Y.
Chemistry, Administrative Law
- HUGHAN, JESSIE WALLACE, A.B. 1898, A.M. 1899.....New York City
Political Economy, Sociology, Philosophy
- HULST, GEORGE DURYEE, A.B. Williams 1906.....New York City
Sociology, Social Economy, History

- HUNT, ARTHUR PRINCE.....New York City
Philosophy
- HUNT, MAY LELAND, B.L. Michigan 1897, M. L. 1898.....New York City
English
- HUNTER, GRAHAM C., A.B. Princeton 1904.....New York City
Political Economy, Sociology, History
- HUNTINGTON, ELLEN ALDEN, A.B. Illinois 1903.....Hartford, Conn.
Chemistry, Education, Domestic Science
- HUTCHINSON, RUTH SARAH, A.B. Minnesota 1900.....Minneapolis, Minn.
English, Comparative Literature
- HYDE, HENRIETTA B.....New York City
Social Economy
- HYMAN, LOUISE, A.B. Bryn Mawr 1908.....New York City
Political Economy, Sociology, Political Philosophy
- IDE, HERBERT CHANDLER.....Mt. Vernon, N. Y.
A.B. Amherst 1898, A.M. 1905, B.D. Hartford 1901
Sociology
- JACOBS, LEO, A.M. 1905, A.B. C. C. N. Y. 1900.....New York City
Philosophy
- JACOBS, PHILIP PETER.....Morristown, N. J.
A.B. Syracuse 1903, B.D. Drew 1908
Sociology, Social Economy, History
- JAMES, ROSALIE TELFAIR, A.B. Bryn Mawr 1903, A.M. 1908.....Coshocton, Ohio
Romance, Comparative Literature
- JEFFERSON, CHARLES E., B.S. Ohio Wesleyan 1882.....New York City
Philosophy
- JOB, MARY LENORE, Ph.B. Scio 1897, A.M. 1907.....Tappan, Ohio
History, English
- JONES, LILLIAN TONG, A.B. Randolph-Macon 1902.....Trenton, N. J.
English, Sociology
- KAHN, LINA.....New York City
Germanic, Philosophy
- KANOKOGI, KAZUNOB.....Japan
Philosophy, Sociology and Statistics
- KASHIDA, YOSHIRE.....Kobe, Japan
Philosophy
- KATO, FAJIRO, A.B. Waseda 1907.....Nogoya, Japan
Political Economy, Sociology, Political Philosophy
- KAVANAGH, MAY IRENE, A.B. Vassar 1905.....New York City
English, Education
- KEAGEY, ESTHER, A.B. 1900.....New York City
English
- KEEP, AUSTIN BAXTER, A.B. Amherst 1897, A.M. 1901.....New York City
History, International Law, Economics
- KEITH, JOHN L., L.L.B. 1907, A.B. Princeton 1904.....Newtown, Pa.
History
- KELLER, FRITZ KARL.....Lucerne, Switzerland
Economics, Sociology
- KELTNER, ROBERT H.....New York City
Political Economy
- KEMP, WILLIAM CULLEN BRYANT.....New York City
A.B. 1900, A.M. 1901, L.L.B. 1896, LL.M. 1901
Administrative Law
- KENDALL, BURTON WARREN, B.S. Mass. Inst. Tech. 1906.....Gardner, Mass.
Physics, Mathematical Physics, Mathematics
- KENDALL, EDWARD CALVIN, B.S. 1908.....So. Norwalk, Conn.
Chemistry, Bacteriology

- KENNEDY, MARY STEWART, New York City
A.M. 1902, A.B. Adelphi 1901, Pd.D. N.Y. Univ. 1902
Comparative Literature
- KENNEDY, MELVILLE TALBOT, A.B. Illinois, 1904..... Council Bluffs, Iowa
Sociology, Philosophy, Ethics
- KEPFLER, EMIL ALEXANDER CHARLES, Ph.B. 1895, A.M. 1897..... New York City
Germanic
- KESSLER, GEORGE WALTER..... Sac City, Iowa
B.S. Western Normal 1904, M.S. 1908, A.B. Gettysburg 1908
Political Economy, Social Economy, International Law
- KEYES, ROWINA KEITH, A.M. 1907, A.B. Mount Holyoke 1902..... New York City
English
- KILROE, EDWIN PATRICK, A.B. 1904, A.M. 1905, LL.M. 1906..... Tanners Falls, Pa.
Constitutional Law, International Law, Economics
- KING, ELIZABETH EDWARDS, A.B. Wellesley 1897..... Trumansburg, N. Y.
English
- KING, HOWARD LANGDON, A.B. C. C. N. Y. 1908..... New York City
Mathematical Physics
- KINKEAD, BEATRICE R., A.B. California 1895, A.M. 1896..... New York City
Romance
- KINNEY, HARRY DILL, E.M. Lafayette 1908..... Easton, Pa.
Geology, Mining
- KINNEY, MURIEL, A.B. Western Reserve 1900..... New York City
English, Comparative Literature
- KIRCHBEIGER, ELSA, B.S. 1908..... New York City
French
- KISHIDA, YOSHIRE..... Kobe, Japan
Philosophy
- KLAPPER, PAUL, A.B. C. C. N. Y. 1904, A.M. N. Y. Univ. 1907..... New York City
Political Economy, Sociology
- KLEEBERG, GORDON SAUL PHILIP..... New York City
A.B. 1905, A.M. 1906, LL.B. 1907, LL.M. 1908
Constitutional Law
- KLEIN, ARTHUR J..... Elkhart, Ind.
History, Philosophy
- KNICKERBOCKER, WILLIAM E., A.B. C.C. N. Y. 1904..... New York City
Romance, English
- KNIGHT, WILLIAM ALLEN..... Conway, Mo.
B.S. Drury 1907, E.E. Pennsylvania 1908
Sociology, Philosophy, Social Economy
- KNOWLTON, MARY EMILY, A.B. Kings 1902..... St. John, Canada
Comparative Literature
- KOCH, ERNEST HERMAN, B.S. Pennsylvania 1897..... New York City
Mathematics
- KOEBERLIN, FREDERIC RICHARD, B. S. Mo. School of Mines 1901..... New York City
Geology
- KOLAIDJIAN, MIHRAN LATIAS..... Nyack, N. Y.
A.B. St. Pauls 1900, B.D. Yale 1905, A.M. 1907
Philosophy, Psychology
- KORN, ALBERT RALPH..... New York City
Economics
- KOZU, SUYEMASA, A.B. Waseda 1907..... New York City
Economics, Sociology
- KRENNING, EDNA AMELIA, B.S. 1907, A.M. 1908..... Fort Recovery, Ohio
English, Comparative Literature
- KROPPF, ALFRED HEMMER, B.S. 1900, A.M. 1908..... New York City
Chemistry, Physics

- KUMAMATO, SAICHI.....Tokio, Japan
Political Economy, Sociology, International Law
- KUMOI, KENJIRO, A.B. Waseda 1907.....Tokio, Japan
Political Economy, Sociology, Political Philosophy
- LAIGLE, MATHILDE LOUISE.....Clermont, Iowa
Romance, Comparative Literature
- LAKE, HENRIETTA, B.S. St. Lawrence 1886.....New York City
Social Economy, Sociology, English History
- LAMONT, FLORENCE CORLISS, A.M. 1898, B.S. Smith 1893.....Englewood, N. J.
Philosophy
- LARKIN, MARY EMMA, A.B. Allegheny 1901.....Butler, Pa.
English, Comparative Literature, Education
- LAUBER, ALMON WHEELER, Ph.M. Syracuse 1905.....Syracuse, N. Y.
History
- LAWRENCE, GEORGE ALFRED.....New York City
 M.D. 1895, A.M. 1896, Ph.D. 1902, LL.B. 1907, A.B. Stanford 1892
Jurisprudence
- LAWSON, SAMUEL ELMER, Ph.B. Mt. Union 1906.....Winona, Ohio
Sociology
- LE DUC, ALMA DE L., Ph.B. Chicago 1899.....Chicago, Ill.
Romance, Comparative Literature
- LEE, ELI FRANKLIN, A.M. 1908, A.B. Trinity 1905.....East Durham, N. C.
Sociology, Political Economy
- LEE, MARGUERITE THOURON,.....New York City
 B.S. Cornell 1894, A.M. N. Y. Univ. 1905
Zoölogy, Education
- LEERS, HILMA, A.B. 1904.....Paterson, N. J.
English
- LELAND, ABBY PORTER, A.B. 1905, A.M. 1906.....Mechanicsville, N. Y.
Philosophy, Education
- LEMOWITZ, NATHAN HARRY, B.S. C. C. N. Y. 1904.....New York City
History, Sociology
- LEVINE, LOUIS.....Brooklyn, N. Y.
Sociology, Political Economy, Philosophy
- LEVINE, MICHAEL, B.S. C. C. N. Y. 1906.....New York City
Zoölogy, Botany
- LEVINE, MORRIS, A.M. 1908, A.B. C. C. N. Y. 1906.....New York City
Semitics, Philosophy
- LEVY, SAMUEL LEON, A.B. C. C. N. Y. 1908.....New York City
Political Economy, Sociology
- LEWINSKI, EDWARD HENRY, A.B. Warsaw 1902.....New York City
Economics, Sociology, Constitutional Law
- LEWIS, ERNEST DORMAN.....New York City
 A.B. Stanford 1892, A.M. 1893, A.M. Harvard 1897
History
- DE LIMA, AGNES, A.B. Vassar 1908.....Larchmont Manor, N. Y.
Social Economy
- LINAHAN, PAUL HENRY, A.B. Harvard 1902.....New York City
Mathematics, Education
- LOCKE, LESLIE LELAND, A.B. Grove City 1896, A.M. 1900.....New York City
Mathematics
- LONG, EMILIE OLIVIA, B.S. N. Y. Normal 1902.....New York City
Palæontology, Geology
- LOOMIS, FRANK DENMAN, A.B. Ohio Wesleyan 1904.....Newark, N. J.
Sociology
- LOPEZ, BLANCHE E., A.B. Adelphi 1907.....Brooklyn, N. Y.
Social Economy

- LOSER, FRANK IRA, Ph.B. Union 1905.....Fergusonville, N. Y.
History
 LOVE, FRANK S., A.B. Trinity 1908.....Monroe, N. C.
Political Economy, Social Economy, International Law
 LOWENTHAL, ESTHER, A.B. Bryn Mawr 1905.....Rochester, N. Y.
Economics, Sociology, Political Philosophy
 LUBARSKY, LOUIS H., B.S. C. C. N. Y. 1904.....New York City
Mathematical Physics
 LUCCOCK, HALFORD EDWARD, A.B. Northwestern 1906.....St. Louis, Mo.
Political Economy, Sociology, Semitics
 LYLE, EDITH KATHERINE.....New York City
 B.L. Wisconsin 1895, M.L. 1896, Ph.D. Pennsylvania 1903
History
 LYMAN, ROSE CLARISSA, A.B. Smith 1890.....New York City
French, Economics
 MCCLELLAND, GEORGE HAMILTON, A.B. Westminster 1903.....New York City
Sociology, History
 MCCLELLAND, JOHN JOSEPH, A.B. Amherst 1907.....West Haven, Conn.
History, Sociology
 MCCORMACK, JOSEPH PATRICK, A.B. Middlebury 1907.....Bethel, Vermont
Mathematics, Physics
 MCGINLEY, ANNA AGNES.....New York City
Philosophy
 MCGREGORY, MARGARET ANNIE, A.B. Michigan 1903.....Kalamazoo, Mich.
History, English
 MCKIM, CHRISTINA L., A.B. 1901.....Yonkers, N. Y.
Social Economy, Sociology, English History
 MCKONE, CHARLES WILLIAM, B.S. Trinity 1908.....Hartford, Conn.
Chemistry, Biological Chemistry
 McLAUGHLIN, ANNA THERESA, A.B. St. Angela 1908.....New Rochelle, N. Y.
Mathematics, Education
 MACLEAN, DONALD CHARLES, A.B. C. C. N. Y.....New York City
Mathematics, Education
 McMICKLE, LEVI, Ph.B. Syracuse 1907.....Newton, N. J.
Sociology, Political Economy
 McNEELY, ELIZABETH, A.M. 1904, A.B. Toronto 1896.....Ontario, Canada
History, Comparative Literature
 MCRAE, FRANCES ELBERTINE, B.S. 1901.....New York City
Chemistry
 MACAVOY, CLARISSA H., A.B. 1905.....New York City
Germanic
 MACLACHLAN, CATHERINE FISHER, A.B. Toronto 1904, A.M. 1905.....Toronto, Can.
English, Comparative Literature
 MACLEAR, ANNE B.....New York City
History
 MADISON, HECTOR TRIPP, A.B. Michigan 1906.....New York City
Administrative Law, Constitutional Law, Sociology
 MALLERY, OTTO TODD, A.B. Princeton 1902.....Philadelphia, Pa.
Sociology, Political Economy
 MANGUSE, WILLIAM P., A.B. Colgate 1890.....New York City
Philosophy, Education
 MANHEIMER, WALLACE A.....New York City
Zoölogy, Psychology
 MARGOSHES, SAMUEL.....New York City
Philosophy, Semitics
 MARKHAM, REUBEN HENRY, A.B. Washburn 1908.....Wichita, Kan.
Philosophy

- MARSH, WILLIAM JUDSON, A.B. Amherst, 1908.....Corning, N. Y.
Chemistry
- MARTIN, JAMES COOK, Ph.B. Brown 1908.....New York City
Geology
- MARVIN, HENRY HOWARD, B.S. Iowa 1906.....Grinnell, Iowa
Mathematical Physics, Physics, Mathematics
- MATHEWSON, CHESTER ARTHUR, B.S. 1905, A.M. 1906.....Cincinnati, Ohio
Physiology, Botany
- MAXWELL, VIOLET DORA ALICE.....New York City
Social Economy, Sociology
- MEAD, CHARLES SEARING, B.S. Ohio State 1904.....Columbus, Ohio
Zoology
- MEHLER, ELSA SAUTER.....New York City
English, German
- MENDELSON, CHARLES JASTROW,New York City
A.B. Pennsylvania 1900, Ph.D. 1904
Spanish
- MERCHANT, ELY OTHMAN, A.M. 1906, A.B. Amherst 1904.....New York City
Sociology
- MERRETT, CHRISTABEL COE, Ph.B. Wesleyan 1901.....Middlefield, Ct.
Philosophy
- MERRILL, VALERIE INEZ, B.S. 1908.....New York City
Germanic
- MERRIMAN, MABEL L., B.S. Smith 1894, A.M. Radcliffe 1901.....Northfield, Mass.
Zoology
- MESSINGER, HELEN ALTHEA, A.B. N. Y. Normal 1905.....New York City
Physics
- MESSE, WILLIAM STUART, A.B. 1905.....Jersey City, N. J.
Greek, Latin, Roman Archaeology
- METZGER, LOUISE G., B.S. 1907.....Elmira, N. Y.
Germanic
- MILLER, ALICE DUER, A.B. 1899.....New York City
Mathematics
- MILLER, ORLEY LESTER, A.B. Washburn 1906.....Minneapolis, Kans.
Sociology, Political Economy
- DE MILLE, WILLIAM CHURCHILL, A.B. 1900.....New York City
English
- MINER, CLARENCE EUGENE, A.B. C. C. N. Y. 1906.....New York City
History
- MINER, ROY WALDO, A.B. Williams 1897.....New York City
Zoology
- MINKIN, JACOB SAMUEL, A.B. 1907, A.M. 1908.....New York City
Semitics, Philosophy
- MIRSKY, ISRAEL, B.S. C. C. N. Y. 1908.....New York City
Mathematical Physics, Mathematics
- MITCHELL, JULIA POST, A.M. 1904, B.L. Smith 1901.....New York City
English
- MITTAG, FRANK O., JR., B.S. Rutgers 1906.....Park Ridge, N. J.
Chemistry, Physics
- MOHRMAN, WORTHOLD, A.B. Berlin, 1907.....Hanover, Germany
Political Economy, Sociology, International Law
- MONRIKURA, SAKUSKE.....Hiroshima Ken, Japan
Sociology, Political Economy, Philosophy
- MOON, EVANGELINE ADA, A.B. N. Y. Normal 1906.....New York City
Geology, Palaeontology
- MOORE, BLAINE FREE, A.B. Kansas 1901, A.M. Illinois 1908.....Cherryvale, Kans.
Administrative Law, Constitutional Law, Political Economy

- MOORE, JUSTIN HARTLEY, A.M. 1904, Ph.D. 1908.....New York City
Indo-Iranian, Spanish
- MOOREY, WILLIAM THOMAS, A.B. Ohio State 1888, A.M. N. Y. Univ. 1893. New York City
History, Political Economy
- MORECROFT, JOHN HAROLD, E. E. Syracuse 1904, B.S. 1906.....Syracuse, N. Y.
Mathematical Physics, Mathematics
- MORGAN, CHARLOTTE ELIZABETH.....New York City
A.B. 1904, A.M. 1905, A.M. Radcliffe 1906
English, Comparative Literature
- MORRIS, DAVE HENNEN, A.B. Harvard 1896, LL.B. N. Y. Law 1901.....New York City
Constitutional Law
- MORRIS, FREDERICK KÜHNE, B.S. C. C. N. Y. 1904.....New York City
Geology
- MORRIS, MAY JOSEPHINE, A.B. N. Y. Normal 1902.....New York City
Palaeontology
- MORRIS, SARAH, A.B. Vassar 1906, A.M. 1908.....Wilkes-Barre, Pa.
Greek, Latin
- MORSE, HERMAN NELSON, A.B. Alma 1908.....Ludington, Mich.
Sociology, Philosophy
- MOSER, LILLIAN VIRGINIA, A.B. Bryn Mawr 1893, A.M. 1907.....Syracuse, N. Y.
Germanic, History
- MOSHER, JOSEPH ALBERT, A.B. 1907, Ph.B. Syracuse 1905, Ph.M. 1906....Millerton, Pa.
English, Comparative Literature
- MOUNTSIEER, MABEL, A.B. Michigan 1906.....Charleroi, Pa.
History, Philosophy
- MUDGE, BRUCE D., A.B. Idaho 1908.....Moscow, Idaho
Economics, Sociology, Jurisprudence
- MULLEN, LORING BLANCHARD, Ph. D. Wooster 1898.....New York City
Mathematics
- MULLER, HENRI F., B.L. Paris 1897.....New York City
Romance, Latin
- MUNROE, ALICE ELIZABETH.....New York City
Economics
- MUNSON, DANIEL G., A.B. Colby 1892, A.M. 1895.....New York City
English
- MURAI, YUTARO, A.B. Waseda 1901.....New York City
Sociology
- MURRAY, JENNIE ERSKINE, B.S. 1907.....New York City
English, Comparative Literature
- MURRAY, WILLIAM SMITH, B.S. Syracuse 1888, M.S. 1892.....Yonkers, N. Y.
History, Comparative Literature
- MUSTE, ABRAHAM JOHN, A.B. Hope 1905.....New Brunswick, N. J.
Philosophy, Ethics
- NAIL, ELIZABETH, B.L. Mary Nash 1897.....Ft. Worth, Texas
English
- NAMMACK, ELIZABETH FRANCES, A.B. 1895, A.M. 1896.....New Rochelle, N. Y.
Latin
- NASMITH, AUGUSTUS INGLESBE, A.B. Colgate 1904.....Canton, N. Y.
Chinese
- NASON, ARTHUR HUNTINGTON, A.B. Bowdoin 1899, A.M. 1903.....Augusta, Me.
English, History
- NEEDLES, CORA BLANCHE, A.B. Ohio Wesleyan.....New York City
English, History
- NEILSON, JOHN.....Larchmont, N. Y.
Astronomy, Physics
- NELMS, WILLIAM STOCKTON, A.B. Southwestern 1903, A.M. 1904.....Waco, Texas
Physics, Mathematical Physics

- NELSON, CHRISTIAN GODFRED, A.B. St. Olaf 1906 Lanesboro, Minn.
History, Sociology
- NESBIT, WILLIAM MARSIGLIA, A.B. 1902, A.M. 1907, B.D. Drew 1905 . . . Westwood, N. J.
Semitics, Sociology
- NEUMANN, HENRY, A.B. C. C. N. Y. 1900, Ph.D. N. Y. Univ. 1906 New York City
English, Education
- NEW, FRANCIS DILLON, A.B. Seton Hall 1894, A.M. 1896 New Brunswick, N. J.
English
- NEWMAN, CHARLES AUGUSTUS PAUL, New York City
A.M. 1908, A.B. C. C. N. Y. 1900
History
- NIFENECKER, EUGENE ALEXANDER, A.M. 1906, A.B. C. C. N. Y. 1901 New York City
History
- NIXON, LILLIAN EDITH, A.B. Minnesota 1903, A.M. 1906 Pembina, N. Dak.
English
- NOBLE, MARJORIE BELLE, A.B. Olivet 1905 Toledo, Ohio
English, Latin
- NOYES, FREDERICK KINNEY, A.B. Yale 1907 Norwich, Conn.
Economics
- ODELL, LOUIS S., A.B. 1903 New York City
Mathematics
- ODENCRANTZ, TULLA CAROLINE, B.S. 1904 New York City
Mathematics
- OGBURN, WILLIAM FIELDING, B.S. Mercer 1905 Atlanta, Ga.
Sociology, Economics, Education
- OGDEN, CHARLES JONES, A.B. 1900, LL.B. 1903, A.M. 1903 New York City
Greek
- OPPENHEIMER, FLORENCE, A.B. 1901 New York City
Philosophy, Political Economy and Finance
- OSGOOD, C. S., A.B. Leland Stanford 1906 New York City
Sociology, Political Economy
- OTA, REJUN, A.B. Trinity 1903 Wigota, Japan
Sociology
- OTTENBERG, REUBEN, A.B. 1902, A.M. 1905, M.D. 1905 New York City
Zoölogy
- PANARONI, ALFRED GEORGE, B.S. C. C. N. Y. 1902 New York City
Romance, English
- PARMELEE, MAURICE FARR, A.B. Yale 1904, A.M. 1908 New York City
Sociology, Political Economy and Finance, Anthropology
- PATTERSON, FRANK ALLEN, A.M. 1907, A.B. Syracuse 1904 East Bloomfield, N. Y.
English
- PAUL, SEYMOUR, B.S. Virginia Mil. 1907 Harrisonburg, Va.
Sociology, History, Philosophy
- PAYNE, FERNANDUS, B.S. Valparaiso 1901, A.B. Indiana 1905, A.M. 1906. Fairland, Ind.
Zoölogy, Botany
- PEARSON, CHARLES CHILTON, A.M. Richmond 1904 Richmond, Va.
History, Political Economy
- PECK, ARTHUR JAMES, LL.B. N. Y. Law 1908 Bridgeton, N. J.
History, Constitutional Law, Economics
- PECK, JESSE LEE New York City
Arabic
- PERRIER, JOSEPH LOUIS, A.M. 1906, A.M. St. Francis Xavier 1905 New York City
Philosophy, Romance
- PERRIN, RAYMOND ST. JAMES New York City
Psychology, Jurisprudence
- PETERSON, ARTHUR EVERETT, A.B. Tufts 1892, A.M. 1897 New York City
History, Philosophy

- PETERSON, WILLIAM HAROLD, B.S. Wesleyan 1907.....Pine Bush, N. Y.
Chemistry
- PHELPS, RUTH SHEPARD, B.L. Smith 1899.....Minneapolis, Minn.
Romance
- PHILP, MARY ISABEL, A.M. 1906.....Chateaugay, N. Y.
Philosophy
- DE PIETRO NICOLA, Litt.D. Pisa 1903.....Hartford, Conn.
Romance, Comparative Literature
- POMEROY, ANNIE L., A.B. Mt. Holyoke 1896.....Orange, N. J.
English
- PORTER, GEORGE H., Ph.B. Ohio State 1901.....New Philadelphia, O.
History, Political Philosophy, Constitutional Law
- POTTER, CHARLES ARTHUR.....Denver, Colo.
Ph.B. Colorado 1893, A.M. Denver 1907
History, Constitutional Law, Philosophy
- POWELL, HAROLD WHEELER, B.S. C. C. N. Y. 1883.....New York City
Mathematics
- POWERS, HIRAM, LL.B. Michigan 1893.....New York City
Social Economy
- PRATT, EDWARD EWING, A.B. Oberlin 1906, A.M. Tulane 1906.....Oberlin, Ohio
Political Economy, Social Economy
- PRENTIS, HALLY MORRISON, A.M. 1906, A.B. Missouri 1905.....New York City
English
- PRICE, MIRIAM SUTRO.....New York City
Philosophy
- PRICE, WILLIAM R., A.B. Cornell 1898.....New York City
Germanic, Romance
- PRUNTY, WILLIAM S.....New York City
History
- PURCHASE, HERBERT GEORGE.....Toronto, Canada
Social Economy
- QUINN, MAY KATHERINE, A.B. 1908.....New York City
Political Economy
- RABINOWITZ, ELIAS NATHAN, A.B. Haverford 1903.....Philadelphia, Pa.
Semitics
- RADIN, MAX, A.B. C. C. N. Y. 1899, LL.B. N. Y. Univ. 1902.....New York City
Latin, Greek
- RADIN, PAUL, A.B. C. C. N. Y. 1902.....New York City
Anthropology, History, Psychology
- RAICHLEN, MABEL, Ph.B. Chicago 1908.....Chicago, Ill.
English, Comparative Literature
- RAIGNEL, ELLEN MAGEE.....Philadelphia, Pa.
Social Economy
- RAPOPORT, DAVID, B.S. 1908.....New York City
Political Philosophy, History, Education
- RAUCHER, JOACHIM BEN ZION, A.B. C. C. N. Y. 1905.....New York City
Germanic
- REARDEN, MARK S., 3d.....New York City
LL.B. N. Y. Law 1898, LL.M. 1902, A.B. Adelphi 1905, A.M.
St. Francis Xavier 1906
Political Economy
- REBER, JOHN, A.B. Seton Hall, 1903, A.M. 1906.....West New York, N. J.
German
- REDMOND, DAVID WALTER, Ph.B. Hamilton 1901.....New York City
Economics, Sociology, Administrative Law
- REED, ALFRED ZONTZINGER, A.B. Harvard 1897, A.M. 1898.....New York City
Administrative Law, History

- REED, ARTHUR MAY, A.B. Muskingum 1898 Weehawken, N. J.
Sociology
- REED, CASS ARTHUR, B.S. Pomona 1906 Whittier, California
Social Economy
- REED, THOMAS HARRY, A.B. Harvard 1901, LL.B. 1905 Mt. Vernon, N. Y.
Political Economy, Sociology, Administrative Law
- REILLY, JOSEPH JOHN, A.B. Holy Cross 1904, A.M. 1906 Springfield, Mass.
English, Comparative Literature
- RICHARD, FRANÇOIS, A.B. Nancy Univ. 1891, B.S. 1892, M.S. 1896 ... Nancy, France
Chemistry, Physics
- RICHARDS, DEAN WILLARD, A.B. Park 1900, B.S. Missouri State 1905 ... New York City
Mathematics
- RIEGL, HARRY, B.S. 1908 New York City
Physics, Astronomy, Education
- RINDGE, FRED HAMILTON, JR., A.B. 1908 New York City
Social Economy, English
- RISTINE, FRANK HUMPHREY Crawfordsville, Ind.
A.M. 1907, A.B. Wabash 1905, A.M. 1906
English
- ROBERTS, HARRY BALDWIN, A.B. Centre 1900, A.M. Princeton 1903 ... New York City
Ethics, Philosophy, Sociology
- ROBERTSON, MARGARET LOUISE, A.B. Toronto 1894 Brampton, Can.
Mathematics
- ROBINSON, HOWARD, A.B. Hamline 1908 Redwood Falls, Minn.
Philosophy, Psychology
- ROBINSON, WINIFRED JOSEPHINE, A.M. 1904, B.S. Wesleyan 1898 .. Poughkeepsie, N. Y.
Botany
- RODMAN, HENRIETTA, B.S. 1904 Astoria, N. Y.
Social Economy, Sociology
- ROESSLER, ERWIN W. E., A.B. Chicago 1900 Chicago, Ill.
Germanic, Latin
- ROGAN, MARGARET ELINOR, A.B. St. Angela 1908 Yonkers, N. Y.
English
- ROGERS, WARREN LINCOLN, A.B. Michigan 1907 Birmingham, Mich.
Philosophy, English
- ROGOFF, HARRY, B.S. C. C. N. Y. 1906 New York City
Sociology, Political Economy, Comparative Literature
- ROHDE, HERMAN LEICESTER, A.B. Midland 1900 Lyons, Neb.
Sociology, Social Economy, Psychology
- ROOT, EVA ROSALIE, A.B. Cornell 1902 Skaneateles, N. Y.
English
- ROSENBLATT, FRANK FERDINAND, A.B. 1907, A.M. 1908 New York City
Political Economy, Sociology, Philosophy
- ROSENTHAL, DANIEL C., A.B. Syracuse 1906, A.M. Yale 1907 New York City
Romance, English
- ROTHSCHUH, BERNARD, A.B. Merseburg 1908 Gera, Germany
Jurisprudence, International Law, Political Economy
- RUSHMORE, ELLEN RILEY, A.B. 1903 Plainfield, N. J.
Philosophy, Education
- RUSHMORE, ELSIE MITCHELL, A.M. 1908, A.B. Vassar 1906 New York City
History, Political Philosophy
- RUSSEL, JULIA RANNEY, A.B. Vassar 1904 Detroit, Mich.
Social Economy
- RUUTZ-REBS, CAROLINE, A.M. 1907, LL.A. St. Andrews 1904 Greenwich, Conn.
Romance
- SACKETT, NATHAN, Ph.B. Brown 1906 Providence, R. I.
Mathematics

- SAGE, LILLIAN BELLE, A.B. Cornell 1901.....Norwich, N. Y.
Botany, Zoology
- SALANT, HENRY, Ph.B. N. Y. Univ. 1895.....New York City
Political Philosophy, Political Economy
- SAMUELS, A. BERT, A.B. 1907.....New York City
English, Philosophy
- SANCHE, SATUMINO, A.B. Havana 1907.....Cuba
Sociology, Administrative Law
- SATO, LOZABURO, B.D. Oberlin 1908, A.M. 1908.....Tokio, Japan
Political Economy, Sociology
- SAUNDERS, WILLIAM DANIEL.....England
Philosophy
- SAWYER, CHRISTABEL HORTENSE, Ph.B. Michigan 1898.....Cadillac, Mich.
Social Economy
- SAYER, LYDIA ELLISON, A.M. 1908, A.B. Vassar 1907.....Warwick, N. Y.
Social Economy, Sociology, History
- SCHERMERHORN, JOHN EGMONT, A.B. 1907.....New York City
English, Comparative Literature
- SCHLAUCH, WILLIAM STORB, B.S. Pennsylvania 1903.....New York City
Philosophy
- SCHOTTLAND, JOSEPH, A.M. 1907, A.B. C. C. N. Y. 1904.....New York City
Philosophy, Psychology
- SCHRADIECK, HELEN E., A.B. Adelphi 1905, M.A. 1907.....New York City
Germanic, English
- SCHROEDER, RUDOLPH, A.B. 1903, LL.B. 1906.....Hoboken, N. J.
Administrative Law
- SCHULZ, GUSTAV FREDERICK, B.S. C. C. N. Y. 1907.....New York City
English, German
- SCHUYLER, ELMER, B.S. Lafayette 1897, M.S. 1900.....New York City
Mathematics
- SCHWABE, IDA, B.S. 1905.....New York City
Germanic, Romance, Education
- SCHWARZ, HERBERT FERLANDO.....New York City
A.M. 1907, A.B. Harvard 1904, A.M. 1905
English
- SCHWARZ, OSIAS, A.M. 1908, A.B. Bucharest 1897.....New York City
Philosophy, Psychology, Education
- SEAMAN, EMILY CROMWELL, A.M. 1906, B.S. Adelphi 1899.....New York City
Biological Chemistry, Bacteriology
- SEATON, GRACE MARIA, B.S. 1906.....Richfield Springs, N. Y.
Social Economy, Sociology, Education
- SELIG, SAMSON, A.B. 1906, LL.B. 1908, A.M. 1908.....New York City
Jurisprudence
- SELWYN-BROWN, ARTHUR, A.M. 1908, B.S. N. Y. Univ. 1906.....New York City
Administrative Law
- SERINGHAUS, ELSE HELEN, A.B. N. Y. Normal 1904.....New York City
Botany
- SHARKEY, SISTER MARY AGNES, A.B. St. Elizabeth 1902.....Convent Station, N. J.
English, Comparative Literature
- SHAVER, ELMER CLIFTON.....New York City
Sociology
- SHEETS, BEATRICE, A.B. Ohio State 1907, A.M. 1908.....New York City
Sociology, Social Economy
- SHENTON, HERBERT NEWHARD, Ph.B. Dickinson 1906.....Madison, N. J.
Sociology, Social Economy, Political Economy
- SHILOTRI, PRABHAKAR SADESHIO, A.B. Cornell 1908.....Bombay, India
Political Economy, Sociology, Psychology

- SHULL, AARON FRANKLIN, A.B. Michigan 1908.....Newcastle, Ohio
Zoology, Biological Chemistry
- SILBERBERG, BERENICE, B.S. Purdue 1905, M.S. 1907.....New York City
Botany, Education
- SIMM, FLORENCE.....New York City
Sociology, History
- SIMMONDS, FRANK HERBERT, A.B. St. Stephens 1907.....Troy, N. Y.
English
- SIMS, NEWELL LE ROY, A.B. Tri-State 1901.....Angola, Ind.
Sociology
- SKINNER, MARGARET, B.A. Girton 1906.....Greenwich, Conn.
Comparative Literature
- SKIPP, HENRY JOHN, A.B. Denison 1904.....Hamilton, N. Y.
Germanic, English
- SLACK, FRANK VAN HART, A.B. Pennsylvania 1903.....Newhope, Pa.
Chinese
- SMITH, FLORENCE MARY,.....Gilman, Ill.
A.M. 1908, A.B. Illinois, 1899, A.M. 1906
English, Education
- SMITH, FRANCES ALBEE, A.B. Vassar 1895.....New York City
History, Sociology
- SMITH, FRANKLIN HANS.....New York City
A.B. Texas 1900, A.M. 1901, A.M. Harvard 1904
Mathematics
- SMITH, ROBERT METCALF, A.B. Amherst 1908.....Middlefield, Mass.
English, Comparative Literature
- SMITH, SAMUEL EARNEST, A.B. Pennsylvania 1907.....Allegheny, Pa.
Sociology
- SMITH, WILLIAM MACKEY, Ph.B. Lafayette 1905.....Easton, Pa.
Mathematics, Astronomy
- SNOW, CHARLES W., A.B. Bowdoin 1907.....Spruce Head, Me.
English, Comparative Literature
- SOULE, FRED JUDSON, A.B. Alma 1906.....Alma, Mich.
Sociology, History
- SPRUNG, NETTIE, A.B. N. Y. Normal 1905.....New York City
Comparative Literature, English, Philosophy
- STABER, HILDA, A.B. 1905.....New York City
English
- STAIR, BIRD WILLIAMS, B.S. Purdue 1899, M.S. 1901.....Buck Creek, Ind.
English
- STALNAKER, HARRIET TALBOTT, A.B. West Virginia 1906.....Fairmount, W. Va.
English, Education
- STEBBINS, HOMER ADOLPH.....Syracuse, N. Y.
Ph.B. Syracuse 1906, Ph.M. 1907, LL.B. 1908
History, Political Philosophy, International Law
- STEITZ, AUGUST, B.A. N. Y. Univ. 1905, A.M. Yale 1906.....New York City
Germanic, Education
- STEPANEK, BEATRICE, A.M. 1902, A.B. Wellesley 1895.....New York City
Latin
- STEM, IDA E., A.B. Kansas 1902.....St. Joseph, Mo.
Germanic, English
- STETTHEIMER, ETTIE, A.B. 1896, A.M. Freiberg 1898, Ph.D. Berlin 1902
Philosophy
- STONE, JOSEPHINE, A.B. Woman's College of Balto. 1907.....Battle Creek, Mich.
Social Economy
- STOUGHTON, LEILA ROOSEVELT, A.B. Bryn Mawr 1900.....Greenwich, Conn.
Mathematics, Education

- STRATFORD, ALINE CROQUET, A.B. 1897, A.M. 1899.....New York City
English
- STREUBEL, ERNEST JOHN, A.B. Brooklyn Poly. 1905, A.M. 1906.....New York City
English
- STURGEON, JENNIE BRADSHAW, B.L. Northwestern 1901, M.L. 1904..Rock Island, Ill.
English, Comparative Literature, History
- SULLIVAN, ALICE STEPHANIE.....New York City
A.B. N. Y. Normal 1902, A.M. N. Y. Univ. 1905
Philosophy, Education
- SULLIVAN, FRANCIS WILLIAM, Ph.B. Lafayette 1908.....New York City
English, Comparative Literature
- SUMMERBELL, LAURA ANNA, A.M. Bates 1902.....Lakemont, N. Y.
English, Education
- SUMNER, ANNE PORTER, A.B. 1897.....New York City
Sociology
- SUZUKI, YOSHIMITSU, A.M. 1908, A.B. Williams 1907.....Fitchburg, Mass.
Philosophy
- SWAN, ARTHUR.....Sioux City, Iowa
English
- TAU, PHILIP H., A.M. 1904, Ph.B. Western Reserve 1902.....Mt. Vernon, Ohio
Philosophy, German
- TAYLOR, CHARLES EDWARD, A.M. 1907, B.S. Case School 1906.....Penn Yan, N. Y.
Chemistry
- TAYLOR, MARION LEE, A.B. Wellesley 1895, Ph.D. Chicago 1908.....Albany, N. Y.
Germanic
- TAYLOR, RUPERT, A.B. Arkansas 1903, A.M. 1906.....Jonesboro, Ark.
English, Comparative Literature
- TEA, MARY, A.B. N. Y. Normal 1905.....New York City
French
- THARP, EARL, LL.B. Mercer 1906.....Montpelier, Ind.
Social Economy, Sociology, History
- THOMAS, HELEN LOUISE, A.M. 1903, A.B. Boston 1890.....Collingswood, N. J.
English, Comparative Literature
- THOMPSON, LOUISE, A.B. Michigan 1898.....New York City
Germanic, English
- THOMPSON, WILLIAM HENRY, A.B. Harvard 1904.....Winamac, Ind.
Philosophy
- THOMSEN, EDGAR GEORGE, B.S. 1907, A.M. 1908.....Rochester, N. Y.
Chemistry, Physics
- THORPE, CORA WELLS, Ph.B. Michigan 1903.....Morris, Minn.
Comparative Literature
- TILNEY, FREDERICK, A.B. Yale 1897, M.D. L. I. Coll. Hosp. 1903.....New York City
Anatomy, Embryology, Histology
- TODD, JOHN R., A.B. Dickinson 1887, B.D. Drew 1887.....Aberdeen, Md.
History, International Law
- TOMIO, TOMEO, A.B. Meiji Gakwin 1904.....New York City
Sociology and Statistics
- TOMPKINS, NANNA MAY, A.M. 1907, A.B. Vassar 1894.....Poughkeepsie, N. Y.
History, Education
- TORTORA, ALBERT, B.S. 1908.....New York City
Chemistry, Education
- TOSHI, IOKI, LL.B. Nippon 1896.....Mibumura, Japan
Sociology, Economics
- TRAITEL, LOUISE, A.B. 1908.....New York City
Zoology
- TREDWELL, ELIZABETH ALDEN SEABURY T., A.B. 1908.....New York City
Political Economy, Sociology, History

- TREBILCOX, RUSSELL D., A.B. Syracuse 1907.....New York City
English, Education
- TRUESDELL, WALDO BROMLEY, A.B. Harvard 1897.....Wilton, Me.
Physics
- TURNER, JOHN PICKETT, A.B. Vanderbilt 1900, A.M. 1901.....New York City
Philosophy, Psychology
- TURNER, MABEL BASCOM, A.B. Mt. Holyoke 1908.....Jersey City Heights, N. J.
History
- TYNAN, JOSEPH LAWRENCE, A.M. 1907, A.B. C. C. N. Y. 1901.....New York City
English, Comparative Literature
- UNDERWOOD, ELIZABETH SCOFIELD, A.B. Smith 1892.....New York City
Social Economy
- VALENTINE, HENRY DICKSON, A.B. 1907.....New York City
English, Education
- VANDEBURGH, FREDERICK A., Ph.D. 1908, A.M. Rochester 1876.....New York City
Assyrian
- VAN DOREN, CARL, A.B. Illinois 1907.....Urbana, Ill.
English, Comparative Literature
- VANN, WILLIAM HARVEY, A.B. Wake Forest 1907.....Raleigh, N. C.
English, Comparative Literature
- VAUGHAN, JAMES ANDREW, A.B. Elon 1908.....Franklin, Va.
Mathematics, English
- VER PLANCK, JUDITH CROMMELIN, B.S. 1904.....Orange, N. J.
History
- VEXLER, FELICIN.....New York City
Philosophy, Psychology, Romance
- VINCENT, HAROLD GASTON, A.B. Oberlin 1906.....New York City
Administrative Law
- VINEBERG, SOLOMON, A.M. 1908, A.B. McGill 1906.....Montreal, Canada
Economics, Sociology, History
- VON UNWERTH, FRIDA, Ph.B. Chicago 1903.....Kansas City, Mo.
Germanic, English
- WADE, THOMAS HENRY, A.B. Emory 1902, A.B. Oxford 1908.....Smith Station, Ala.
English, Comparative Literature
- WAKEFIELD, ARTHUR, A.B. Brown 1900, A.M. 1901.....Providence, R. I.
English
- WALDSTEIN, ABRAHAM SOLOMON, A.B. Harvard 1906.....New York City
Semitics, Sociology
- WALKER, WILLIS BURNETT.....Anderson, Ind.
A.B. De Pauw 1906, LL.B. N. Y. Law 1908
Jurisprudence
- WALLIN, AXEL REYNOLD, A.M. 1907, A.B. Augustana 1902.....Kenilworth, N. J.
Latin
- WALSH, CHARLES BURTON, A.B. Harvard 1906.....New York City
Mathematics
- WALTERS, CAMERON, A.B. C. C. N. Y. 1895.....New York City
Physics, Botany
- WATKINS, GEORGE PENDLETON, A.B. Cornell 1899, Ph.D. 1906.....New York City
Political Economy and Finance
- WEBB, CAROLUS R., A.B. 1907.....Glen Ridge, N. J.
History
- WEBB, HAROLD WORTHINGTON, A.B. 1905.....Glen Ridge, N. J.
Physics
- WEINRICH, MORRIS FRANCIS, Mech.E. 1904, A.M. 1907.....Yonkers, N. Y.
Astronomy
- WEISMAN, CHARLES, B.S. C. C. N. Y. 1900.....New York City
Chemistry, Mineralogy

- WELLE, EDITH, A.B. 1905.....Paterson, N. J.
English
- WHEELER, MARY LYDIA, A.B. Wellesley 1889.....New York City
English
- WHEELER, MASON, LL.B. 1908, A.B. Nebraska 1906.....New York City
English
- WHITAKER, WILLIAM A., JR., A.M. 1905, Ph.B. North Carolina 1904....Winston, N. C.
Chemistry, Physics
- WHITE, FREDERICK CARLTON, A.B. Alfred 1895, A.M. 1902.....New York City
History
- WHITE, MAY LANGDON, A.B. Wisconsin 1904.....New Rochelle, N. Y.
Social Economy, History
- WHITESIDE, DONALD GRANT, B.S. C. C.N. Y. 1897, A.M. N. Y. Univ. 1900..New York City
Germanic
- WHITFORD, EDWARD EVERETT, A.B. Colgate 1886, A.M. 1890.....New York City
Mathematics
- WHITIN, ERNEST STAGG, A.B. 1905.....New York City
Social Economy
- WICKHAM, JOSEPH FRANCIS, A.B. Holy Cross 1904.....South Lee, Mass.
English
- WICKS, CHARLES HALL, A.B. Cornell 1907.....Cohoes, N. Y.
Sociology
- WILDER, GEORGE FAY, A.B. St. Lawrence 1897.....New York City
Mathematics, Education
- WILLIAMS, BLANCHE COLTON, A.B. Miss. Woman's Coll. 1898....Kosciusko, Miss.
English, Education
- WILLIAMS, RICHARD GRANT, B.S. 1908.....Mt. Vernon, N. Y.
Metallurgy, Geology
- WILSON, HUGH DEMPSTER, JR., A.M. 1907, A.B. Trinity 1901.....New York City
Philosophy, Sociology and Statistics
- WILSON, LYDIA MARGARET, A.M. 1908, A.B. Tennessee 1900.....Winchester, Tenn.
English
- WISCHKAEMPER, HENRY, A.B. Wartburg 1906.....Yorktown, Texas
Sociology, Political Economy, History
- WISE, LOUIS ELSBERG, A.B. 1907.....New York City
Chemistry, Mechanical Engineering
- WOLCOTT, EMILY PORTER, A.B. Michigan 1904.....New York City
English
- WOLFERZ, LOUIS ERNST, A.B. 1908.....New York City
Germanic
- WOLFF, FLORENCE MARTHA, A.B. 1908.....New York City
History
- WOLFF, SAMUEL LEE, A.M. 1895, LL.B. 1896, A.B. Harvard 1892.....New York City
Comparative Literature
- WOMACK, MARY DOUGLAS, B.S. Adelphi 1899.....New York City
Botany, Bacteriology
- WOOD, ELVIRA, A.M. 1908.....Waltham, Mass.
Geology, Geography
- WOODBURY, WALTER BLIGH, A.B. 1908.....Oneida, N. Y.
Romance
- WOOLSTON, HOWARD BROWN.....Syracuse, N. Y.
A.B. Yale 1898, S.T.B. Chicago 1901, A.M. Harvard 1902
Sociology, Economics, Psychology
- WRIGHT, ERNEST HUNTER, A.B. 1905, A.M. 1907.....Lynchburg, Va.
English, Comparative Literature
- WRIGHT, MARGARET CHOATE, A.B. Vassar 1908.....Pleasantville Station, N. Y.
History, Political Economy

WUPPERMANN, CARLOS SIEGERT, A.B. 1908.....	Briarcliff Manor, N. Y. <i>Philosophy, German</i>
YEN, HAWKLING LUGINE, A.B. St. Johns China 1907.....	China <i>Constitutional Law, Administrative Law, Political Economy</i>
YOUNG, MADGE MAY, A.B. Woman's College 1905.....	Hackettstown, N. J. <i>English, Education</i>
ZANDSTRU, A.B. Hope 1908, B.D. Princeton 1907	Chicago, Ill. <i>Semitics</i>
ZONS, FREDERICK WILLIAM, A.B. 1907.....	New York City <i>Chemistry</i> [739]

In addition to the above 739 candidates for the degree of master of arts or doctor of philosophy, 221 are registered under the faculty of philosophy with education as their major subject. The names of these candidates appear in the list of graduate students under Teachers College. (See page 343.)

SUMMARY

STUDENTS PRIMARILY REGISTERED UNDER THESE FACULTIES....	960
STUDENTS FROM OTHER FACULTIES OF THE UNIVERSITY, CANDI- DATES FOR THE DEGREE OF A.M., LL.M., OR PH.D.:	
From the School of Law.....	42
From the Schools of Mines, Engineering, and Chem- istry.....	21
Grand Total	1023

Two hundred and nine students matriculated under the faculties of Political Science Philosophy, or Pure Science attended the summer session of 1908, but did not register for the first term of the academic year 1908-09.

FACULTY OF FINE ARTS

SCHOOLS OF ARCHITECTURE, MUSIC, AND DESIGN

Officers of the Faculty

JAMES RIGNALL WHEELER, Ph.D. . . . *Acting Dean and ex-officio Member
of the University Council*
 _____ *Secretary*
 ALFRED D. F. HAMLIN, A.M. (Term expires 1911) *Elected Delegate
to the University Council*

The Faculty

NICHOLAS MURRAY BUTLER, Ph.D., LL.D. (Cantab.), Litt.D. (Oxon.),
President of the University
 ALFRED D. F. HAMLIN, A.M. . . . *Professor of the History of Architecture*
 FRANK DEMPSTER SHERMAN, Ph.B. *Professor of Graphics*
 JAMES RIGNALL WHEELER, Ph.D. *Professor of Greek Archæology
and Art*
 CLARENCE H. YOUNG, Ph.D. *Professor of Greek*
 CHARLES HUBERT FARNSWORTH. *Adjunct Professor of Music in Teachers
College*
 FRIEDRICH HIRTH, Ph.D. *Dean Lung Professor of Chinese*
 LEONARD BEECHER MCWHOOD, A.B. . . . *Adjunct Professor of Music*
 JOEL ELIAS SPINGARN, Ph.D. *Adjunct Professor of Comparative
Literature*
¹ GEORGE N. OLCOTT, Ph.D. *Adjunct Professor of Latin*
 JEFFERSON B. FLETCHER, A.M. . . . *Professor of Comparative Literature*
 CORNELIUS RUBNER *Professor of Music*
 ARTHUR WESLEY DOW . . . *Professor of Fine Arts in Teachers College*
 JAMES T. SHOTWELL, Ph.D. *Professor of History*
 CHARLES F. MCKIM, Litt.D. *Director of Atelier*
 THOMAS HASTINGS, Diplôme E.D.B.-A. *Director of Atelier*
 FREDERICK DIELMAN . . . *President of the National Academy of Design*
 SIR CASPAR PURDON CLARKE. *Director of the Metropolitan Museum of Art*
 EDWARD ROBINSON, A.B., LL.D. *Assistant Director of the Metro-
politan Museum of Art*
 KENYON COX *Professor of Painting*
 DANIEL C. FRENCH. *Professor of Sculpture*

¹ Absent on leave second half-year

JOHN LA FARGE.....*Professor of Decorative Arts*
 EDWARD R. SMITH, A.B.....*Reference Librarian, Avery Architectural
 Library*

CHARLES A. HARRIMAN.....*Instructor in Architecture*
 CHARLES P. WARREN, A.M.....*Instructor in Architecture*
 WILLIAM ADAMS DELANO, A.B. Diplômé E.D.B.-A.....*Associate
 Director of Atelier*
 JOHN V. VAN PELT, Diplôme E.D.B.-A...*Associate Director of Atelier*
 HARVEY W. CORBETT, B.S.....*Associate Director of Atelier*
 FRANCIS A. NELSON, B.S.....*Lecturer in Architecture*

Standing Committees

ON THE PROGRAM OF STUDIES: The Acting Dean (Chairman); Professors Hamlin, McWhood, Dow, and Dielman.

ON ADMISSIONS: Professors Hamlin (Chairman); McWhood and Dielman.

ON SCHOLARSHIPS: The Acting Dean (Chairman); Professors Sherman and Rubner.

General Statement

The Faculty of Fine Arts, established March 5, 1906, comprises three separately organized schools, of Architecture, of Music, and of Design. Work in Architecture and in Music is no new thing at the University, since a department in the former subject has existed for about twenty-six years and in the latter about eleven years. On the other hand, until 1906, there has been no attempt to make any systematic provision for the needs of university students who seek opportunities in the study of painting, sculpture, and decoration, and it is by the creation of a School of Design in co-operation with the National Academy of Design that the University hopes in time to afford such opportunities. The establishment of this new school, as yet only tentative in its organization, has been made possible by an agreement between the Academy and the University on January 12, 1906. By such agreement the Art Schools of the Academy became closely associated with the University. They remain, however, entirely under the direction of the Academy, which preserves the independence secured to it by its own separate corporate existence.

It is not the purpose of the University to develop courses in the School of Design in the direction of technique and practice; this side of the student's training must remain mainly in the hands of those who conduct the work of the Academy of Design; but it does hope, by the gradual establishment of instruction and study in the history of art and in æsthetic theory, to offer adequate training for the investigation of the problems which the artistic development of mankind suggests,

to help the professional artist to a fuller realization of the human ideals which should form the background of his endeavor, and finally to lead its students in other departments to perceive the importance of the fine arts in any scheme of liberal culture.

Neither the University nor the Academy has at present at its disposal adequate resources to develop a complete system of instruction in the School of Design. A beginning, however, as set forth below (p. 313), has been made, and the University looks forward to the possibility at no remote time of an adequate equipment for the new School.

A statement of the work offered by the Academy of Design will be found on page 313.

For details as to the advantages which the City of New York offers outside of the University and the Academy for the study of the fine arts, and as to the public lectures, exhibitions, and recitals maintained by the University in addition to the regular academic program, the separately printed *Announcement of the Faculty of Fine Arts* should be consulted. Those interested should also consult the *Announcement of the Summer Session* and of *Extension Teaching*.

Admission

Except by special action of the Committee on Admissions, students under eighteen are not admitted. For the general admission regulations see page 169, and for the special regulations for the course for the bachelor's degree in Architecture and for the Certificate in Architecture, see page 307; for that of Bachelor in Music and for the Certificate in Music see page 312; and for the Certificate of Proficiency in Design see page 314.

To Advanced Standing

Students desiring credit for courses pursued elsewhere must file a written application with the chairman of the Committee on Admissions on or before September 8, 1908, to reach him at least sixteen days before the University opens. The general regulations as to documents to be submitted and as to the acceptance of certificates are the same as for the Schools of Mines, Engineering, and Chemistry (see page 242).

Non-matriculated Students

The Committee on Admissions may admit students of mature age who are not candidates for a degree or certificate to such courses as they may be qualified to pursue. The special qualifications deemed necessary in each school for admission as a non-matriculated student are:

In Architecture, a practical knowledge of architectural drawing of the five orders, and of shades and shadows, is required for the course in Architectural Design, and mathematics through plane trigonometry for the Mathematical and Architectural Engineering branches.

In Music, proficiency is determined by personal conference with some officer of the School.

In Design, students in the National Academy of Design and such other persons as have had adequate training and experience either in the history and theory or in the practice of the fine arts are admitted under this provision.

Non-matriculated students will be permitted to matriculate at any time upon fulfilling the stated entrance requirements, or they may be excused from these requirements by vote of the Faculty, if their work has shown marked excellence.

Fees

(See page 35)

Fellowships and Scholarships

(See page 435)

Examinations

Regular examinations in each course are held at the end of each half-year. All other examinations, except examinations for admission to advanced standing, are special examinations, for which the statutory fee of \$5 is charged (see page 37). The dates of such examinations for students debarred or deficient at the regular examinations will be found in the academic calendar. Absence from any regular or delinquent examination for which a student is registered is regarded as a failure.

SCHOOL OF ARCHITECTURE

General Statement

The School of Architecture of Columbia University is a professional school, designed to train its graduates for the active practice of architecture. Founded in 1881, under the direction of Professor William R. Ware, as a department of the School of Mines (now the Faculty of Applied Science), it was in 1902 made an independent School, and in 1906 placed under the Faculty of Fine Arts. There are two regular courses in Architecture, one leading to the degree of Bachelor of Architecture, and the other leading to a Professional Certificate in Architecture.

The equipment of the school consists of about 18,000 photographs

and 800 books, chiefly the gift of Mr. F. A. Schermerhorn; a classified library of many thousands of prints and plates; a collection of manuscript drawings from the École des Beaux-Arts and other sources; about 9000 lantern-slides of architectural subjects; a collection of casts of architectural details, including a large number from ancient and modern Roman buildings, the gift of Mr. Charles F. McKim; and an architectural museum containing a collection of models, building stones, tools, and materials. The Avery Architectural Library of 18,000 volumes is the richest collection of works on architecture and allied arts in the country.

Lectures to students of architecture on scientific subjects allied to architecture are given in the Department of Physics, and the laboratories of the Schools of Engineering offer unexcelled opportunities to advanced students in architectural engineering.

The Willard collection of architectural casts and models in the Metropolitan Museum of Art is open to students every day and two evenings in the week. Buildings and building operations of great value and interest are always within reach, and visits and excursions during the second half of each year furnish specific opportunities for profiting by them.

Admission

(For general regulations see page 169)

To Candidacy for the Degree of Bachelor of Architecture

Candidates must have completed the equivalent of two years of study in some recognized college or scientific school. This preliminary training must include elementary French and some time may be saved by the anticipation of courses in mathematics; professional courses in architecture, however, may not be counted a part of such study, the purpose of which is to supplement, not to anticipate, the professional course offered by this School.

Candidates must also show a practical knowledge of the orders of architecture, of elementary projections and shades and shadows, of the elements of architectural rendering, and of freehand drawing.

To the Course for the Certificate

Candidates for the Certificate must offer at the entrance examinations (see page 169) subjects amounting to ten units, as indicated below:

	UNITS
Drawing	1
Elementary Mathematics	3

and six units from the following subjects:

	UNITS
Chemistry ¹	1
Elementary Physics ¹	1
Elementary History.....	2
English.....	3
Advanced Mathematics ¹	1
Elementary French ¹	2
Elementary German ¹	2
Elementary Latin (see page 176).....	2
Spanish.....	2

Beginning with the year 1908-09 not more than four units may be offered in foreign languages. If two languages are offered one of these must be French. In addition, candidates for admission to the course for the Certificate must give evidence of the same practical knowledge as is required of candidates for the Degree.

Students from Other Institutions

Male students of any incorporated school of art in New York City and duly accredited students from the *ateliers* of the Society of Beaux-Arts Architects of this city may be admitted, upon payment of the prescribed fees, to the courses in the Elements of Architecture, Projections, and Shades and Shadows, Perspective, Descriptive Geometry, Theory, the History of Architecture, and the History of Ornament (Courses 1, 5, 6, 7-8, 21-22, 23-24, 25-26, 31-32, 33-34, 35-36, 51-52, 53, 54, and 55; see page 60).

Program of Studies

For the Degree of Bachelor of Science in Architecture

The course outlined below is of indeterminate duration. Students of fair ability and thorough preparation should be able to complete it in four years. Entering students should confer with the Executive Head of the School, who will assist them in planning a definite schedule suited to their qualifications and needs. The degree may be awarded at the beginning of either half-year or at Commencement.

For a short statement of the scope of the following courses see pages 55-168. A much fuller statement is contained in the *Announcement of the Faculty of Fine Arts*, to be had upon application to the Secretary of the University.

¹ Students deficient in these subjects are advised to consult the *Announcement of the Summer Session*, which will be sent upon application to the Secretary of the University.

POINTS

1	History of Architecture (A. 21-22, 23-24, 25-26).....	14
	History of Ornament (A. 31-32, 33-34, 35-36).....	6
	French and German Reading (A. 41-42, 43-44).....	8
	Research.....	2
2	Mathematics (Math. 1, 2, 3-4, 5-6).....	16
	Mechanics (Mech. 21).....	4
	Architectural Engineering (A. 17-18).....	8
3	Specifications (A. 11-12).....	4
	Building Materials (A. 13-14).....	4
	Office Drawings.....	2
4	Graphics (A. 5).....	3
	Perspective (A. 6).....	3
	Descriptive Geometry (A. 7).....	3
	Stereotomy (A. 8).....	3
5	Architectural Drawing (A. 3).....	4
	Elementary Drawing (A. 71-72).....	3
	Modelling, Water-colors (A. 73-74).....	3
	Advanced Drawing (A. 75-76, 177-178).....	7
6	Theory of Design (A. 51-52, 53, 54, 55).....	7
	Elements of Architecture (A. 1).....	2
	Applied Elements (A. 2).....	4
	Elementary and Intermediate Design (A. 61-62, 63-64)....	18
	Advanced Design (A. 161-162).....	15
	Thesis (A. 164).....	3
	Written Work (A. 24a, 26a, 128a).....	3
	Summer Work (A. 72a, 74a, 76a).....	6
	Total required for graduation.....	155

The studies leading to these points may be pursued in any order and combination desired, except that the mathematical subjects and the three grades of Design must be taken in the prescribed sequence, and that advanced drawing presupposes the more elementary branches. No student may take advanced design until he has completed 58 specified points (for details see the *Announcement*).

For the Certificate in Architecture

This course is intended to qualify the holder for general practice, and for registry under the Architects' License Laws of Illinois, New Jersey, and California. It omits the greater part of the mathematical studies and applied mechanics required of candidates for the degree, but includes simplified courses in Graphical Statics and Elementary Engineering in their stead, and optional courses in Analytical Geome-

try and the Calculus, with special reference to graphical methods and their usefulness in mechanics and engineering.

	POINTS
1 History of Mediæval and Modern Architecture (A. 23-24, 25-26).....	8
History of Ornament (A. 31-32, 33-34, 35-36).....	6
Research	2
2 Elementary Structural Design (A. 15-16).....	4
3 Specifications (A. 11-12).....	4
Building Materials (A. 13-14).....	4
Office Drawings.....	2
4 Graphics (A. 5).....	3
Perspective (A. 6).....	3
Descriptive Geometry (A. 7).....	3
Stereotomy (A. 8).....	3
5 Architectural Drawing (A. 3).....	4
Elementary Drawing (A. 71-72).....	3
Water-colors (A. 73).....	1
Modelling (A. 74).....	1
Advanced Drawing (from cast and from life) (A. 75-76, 177-178).....	4
6 Theory of Design (A. 51-52, 53, 54, 55).....	7
Elements of Architecture (A. 1).....	2
Applied Elements (A. 2).....	4
Elementary and Intermediate Design (A. 61-62, 63-64).....	18
Advanced Design (A. 161-162).....	18
Thesis (A. 164).....	3
Written Work (A. 24a, 26a, 128a).....	3
Summer Work (A. 72a).....	4
And in addition, to be selected from the following:	
Ancient Architectural History (A. 21-22).....	} 6
French and German Reading (A. 41-42, 43-44).....	
Graphical Analysis (A. 9-10).....	
Design (additional)	
Drawing (additional).....	
	120

The regulations as to the order and combination are the same as for the candidates for the degree, except that only 32 points are required as prerequisite to Advanced Design.

Architectural Engineering

In view of the increasing importance of engineering training in certain classes of architectural work, adequate courses of instruction

are provided for those who desire to specialize in this direction. Such students substitute for the Advanced Drawing and Advanced Design an equivalent in engineering design, construction, and specifications, by means of special problems and attendance upon certain courses in the Department of Civil Engineering.

This course is open only to students who have completed the architectural engineering of Course 17-18. A thesis is required as for the course in Design, consisting of a large problem of architectural engineering worked out in full, with accompanying dissertation.

Graduate Courses

Candidates for the degrees of Master of Arts and Doctor of Philosophy may pursue in the School of Architecture the more advanced studies of the course, which are accepted as major and minor subjects under the regulations prescribed by the University Council for these degrees. See page 179. The courses in Advanced Design, Engineering and Practice (Architecture 113-114, 117-118, and 161-162) as well as the graduate courses (213-214, 217-218, 227-228 and 261-262) are accepted as major and minor subjects for these degrees.

Holders of the Certificate in Architecture are admitted to the graduate course in Design with accompanying Research (A. 281-282, 227-228), but not to the graduate course in Construction (217-218) except upon passing examinations upon all the prerequisite mathematics and mechanics. They may not be candidates for the higher degrees.

Graduates of this School, and of other schools of architecture of like standing, who have had not less than one year of resident study in Columbia University, may pursue their studies in Advanced Design and Research in foreign schools of architecture, as candidates for the higher degrees in Columbia University, upon programs issued by this School.

SCHOOL OF MUSIC

General Statement

The Department of Music was established May 4, 1896, by means of the Robert Center Fund for Instruction in Music, an endowment presented to the University by the mother of the late Robert Center.

In 1906 a School of Music was established including both the department above mentioned and the department which had been developed independently in Teachers College.

The aim of the instruction is to treat music historically and æsthetically, as an element of liberal culture; to teach it scientifically and technically, with a view to training musicians who shall be competent to teach and to compose; to afford practical training of the ear by

means of rhythmic, melodic, and harmonic dictation; and to provide practical training in choral and orchestral music. The several courses have reference to the needs of the undergraduate, to those of the university student wishing to specialize in music, and to those of students who are candidates neither for a degree nor for a Certificate of Proficiency. Performances of orchestral and choral music by the various organizations under the direction of the School of Music are provided, from time to time, for the members and friends of the University. There is, also, an annual concert of original compositions by students in the school. In addition, many public lectures, recitals, and concerts of various kinds are held.

Equipment

A collection of music and of text-books is placed at the disposal of students in the School. It includes the complete works of Palestrina, Handel, Bach, Mozart, Beethoven, Schubert, Berlioz, Mendelssohn, Schumann, and Wagner, many orchestral and opera scores, the pianoforte classics, chamber music, and vocal music, besides theoretical works. The private library of the late Anton Seidl, recently presented to the University, has been placed in the rooms of the School of Music.

The School has a collection of orchestral instruments, for the use of students taking part in the University orchestra. An Aeolian Orchestrelle is employed for purposes of study and illustration. There is, also, a large pipe organ in the University chapel.

Admission

For the general regulations governing all students under the Faculty of Fine Arts see page 305.

To Candidacy for the Degree of Bachelor of Music

The requirements for admission to the course leading to the degree of Bachelor of Music are: (1) The completion of courses of study in Columbia College or Barnard College, amounting to a credit of sixty-two points (substantially, two years' undergraduate study), or of their equivalent elsewhere; (2) the ability to play, on the pianoforte, the Two-Part Inventions of Bach.

To Candidacy for the Certificate of Proficiency

The requirements for admission to the course leading to a Certificate of Proficiency in Music are: (1) The passing of examinations (see page 169) amounting to a credit of ten units, from among the following subjects, English and one other language being required:

	UNITS
English	3
Elementary Greek.....	3
Elementary Latin (see page 176).....	2
Elementary French.....	2
Elementary German.....	2
Elementary Italian.....	2
Musical Appreciation.....	1
Harmony.....	1
Musical Performance.....	2
Elementary Mathematics.....	3
Elementary History	2
Elementary Physics.....	1
Advanced Mathematics.....	1
Advanced History.....	1

(2) The ability to play, on the pianoforte, the Two-Part Inventions of Bach.

Programs of Studies

The candidate for the degree of Bachelor of Music is required to pursue courses of study aggregating, at least, seventy-five points, as follows:

a. (prescribed) All the courses in composition and criticism offered by the School of Music; a year's course in each of the following: language, literature, history, and the fine arts other than Music.

b. (elective) Other courses offered in the University, for which the student has the necessary prerequisite, especially courses in musical performance, æsthetics, physics, or psychology.

The candidate is further required to produce a satisfactory original composition for orchestra or with orchestral accompaniment, and to submit an essay on a musical subject.

The candidate for the Certificate of Proficiency is required to fulfil the same requirements as are demanded in the course leading to the degree of Bachelor of Music (see above), except that only fifty points of credit are required. The same requirement is made with regard to the original composition and the thesis as in the case of a candidate for the degree of Bachelor of Music.

SCHOOL OF DESIGN

The School of Design cannot yet offer a sufficiently complete series of courses to warrant the granting of the degree of Bachelor of Design which in due time it is the intention of the University to award to properly qualified students. A Certificate in Design, however, is provided for. Candidates for this certificate and non-matriculated

students who may wish to qualify for the degree, when it shall have been established, may receive credit for such courses as they take and may later count them toward the degree.

Equipment

The equipment includes, besides the resources of the Department of Architecture and of the Avery Library already referred to, those of the Department of Fine Arts of Teachers College, which occupies the fourth floor of the Macy Building. Three large studios, with north light, will each accommodate fifty students in drawing, design, or painting. The modelling studio, in the basement of the main building, will accommodate thirty students. The department has recently received from Dr. Denman W. Ross, of Cambridge, Massachusetts, a gift of over three hundred pieces of textile, specially chosen for design and color, and the College has acquired many choice examples from the Drake collection of copper and brass. Beside these, there is a large amount of material for study and reference—casts, still life objects, photographs and loan collections of textiles, books, and Japanese prints.

Admission

For the general regulations as to admission see page 305.

Every candidate for admission to the courses for the Certificate of Proficiency in Design (Painting, Sculpture, or Decoration) is required:

(1) To pass entrance examinations (see page 169) counting 10 units, as indicated below. The candidate *must* offer:

	UNITS
Drawing.....	1
French or German or Italian.....	2
English.....	3
and four units from the following subjects:	
Elementary Mathematics.....	3
Advanced Mathematics ¹	1
Elementary Physics ¹	1
Chemistry ¹	1
Elementary History.....	2
Elementary Greek.....	3
or Elementary Latin (see page 176).....	2

(2) To give evidence of a practical knowledge of the elementary technique of work in India-ink and water-colors, and of proficiency in sketching from the object and from simple plaster casts of ornament or of the figure, in pencil or charcoal.

¹ Students found deficient in these subjects on examination are advised to consult the *Announcement of the Summer Session*, which will be sent upon application to the Secretary of the University.

The certification of the National Academy of Design as to proficiency in drawing is accepted for both the formal and the informal requirements in that subject.

Students of the National Academy of Design are admitted, upon recommendation of the President of the Academy, as non-matriculated students in the School of Fine Arts, to take such courses as they may select, subject to the approval of the President of the Academy and the Dean of the Faculty of Fine Arts.

Program of Studies for the Certificate of Proficiency

This course is intended to give the student, first, a broad outlook upon the whole field of the fine arts, by an outline study of the theory, criticism, and history of the arts in general; secondly, a more detailed acquaintance with the history and principles of the particular branch of the fine arts in which the student elects to specialize; and thirdly a sufficient amount and variety of technical training to qualify him to pursue with success the particular branch of art which he has elected besides giving him some experience and understanding of the technical processes and methods of expression of other forms of art. In view of the great variety of purpose which may exist among students of equal earnestness and intelligence, the curriculum has been made somewhat flexible; so that, within defined limits, the relative proportion of lecture work and research, on the one hand, and of studio practice on the other, may be considerably varied. It should be possible to complete the work for the certificate in about three years, of which the first two years would be in large measure devoted to the more general studies of the curriculum, and the last year to special study and discipline in the particular field of painting, of sculpture, or of decoration, as the student may elect. One hundred and fifteen points are required for the certificate. Of these, 47 are assigned to prescribed courses, from 10 to 25 to elective courses, and the balance to work in the studio.

These 115 points may be acquired in any order and combination which conforms to the necessary sequence of preliminary and advanced subjects, each student registering for any number of courses he may desire to take and for which he is qualified by previous training, and paying for each course the required fee up to a maximum total of \$150 annually.

Program of Studies

The following courses aggregating 47 points are prescribed for all candidates for the Certificate. Courses whose numbers are prefixed with the initials N. A. are given by the National Academy of Design; T. C. indicates that the course is given in Teachers College.

Detailed information as to these courses will be found in the separately printed *Announcement of the Faculty of Fine Arts*. The attention of students is also directed to the other courses in subjects allied to the Fine Arts offered by the Departments of Philosophy, History, English, Latin, Greek, Germanic, Romance, Indo-Iranian and Semitic Languages. (See pages 55 *et seq.* of this volume.)

	POINTS
Principles and Problems of Æsthetics (Philosophy 142)....	3
General Course, Theory of Fine Arts (N. A. 1).....	1
Art Appreciation and History (T. C., Fine Arts 53-54)...	4
Principles of Composition, a (T. C., Fine Arts 5-6).....	10
Principles of Composition, b (T. C., Fine Arts 11-12)....	4
Advanced Composition, Painting (T. C., Fine Arts 9-10)..	9
(Or its equivalent in the National Academy of Design)	
History of Art, Collateral Reading and Research (Fine Arts 1-2).....	4
History of Art, Advanced Reading and Research (Fine Arts 101-102).....	8
Pictorial Perspective (N. A. 5-6).....	2
Artistic Anatomy (N. A. 7-8).....	2
	47

From ten to twenty points additional are to be acquired in courses elected by the students, subject to the approval of the Dean and of the instructors giving the several courses. Courses counting for not over 6 of these points may be selected in literature, language, philosophy, science, or history, under the various faculties of the University, subject to the regulations as to prerequisites for each course. The remaining points (or the entire number if preferred) in elective subjects are to be taken from the following list. *Starred* courses are prescribed for students taking the course in Decoration, and are given in the School of Architecture.

Elective Courses

	POINTS
*Elements of Architecture (1).....	2
Ancient Architectural History (21-22).....	6
Mediæval Architectural History (23-24).....	4
Modern Architectural History (25-26).....	4
*Ancient Ornament (31-32).....	2
Mediæval Ornament (33-34).....	2
*Modern Ornament (35-36).....	2
Theory of Planning and Composition (51-52).....	2
*Theory of Decorative Arts (53).....	1
*Theory of Color (54).....	1

	POINTS
*Graphics (5) (Projections, Shades and Shadows).....	3
*Architectural Perspective (6).....	3
Archæology in French (41-42).....	4
Design (T. C., F. A. 17-18).....	6
Advanced Design and House Decoration (T. C., F. A. 19-20).....	6
General Musical Course (Music 1-2)	2
Analysis of Musical Sound (Music 5-6).....	2
Musical Art (T. C. Music 7-8)	2
Chinese Civilization (Chinese 11)	2
Greek Vases and Painting (Greek 151-152)	4
Greek Sculpture (Greek 153-154).....	4
Elements of Greek Archæology (Greek 149-150).....	4
Introduction to European Literature (Comparative Literature 1-2).....	6
The Renaissance in Europe (Comparative Literature 101-102).....	4
The Romantic movement in Europe (Comparative Literature 105-106).....	4
Archæology (in French) (41-42).....	4

Studio Work

The candidate for the Certificate is further required to do work in the studio by which he may obtain a credit of 43 to 58 points. This requirement is based upon the supposition that the student can meet it by an average, for each point, of one hour of studio work per week through the academic year. This work is additional to any studio work accompanying prescribed courses. The total number of points to be obtained in studio work depends upon the amount of elective work taken, the aggregate requirement for both classes of work being in all cases 68 points, which added to the 47 points in prescribed subjects make the total of 115 points required for the Certificate.

The required studio work may be pursued in any one or more of the three studios connected with the University—that of the National Academy of Design at the corner of Amsterdam Avenue and 109th Street, that of Teachers College, and that of the School of Architecture—according as one may find in one or another the particular training he most requires.

	POINTS
Elementary Draftsmanship.....	4
(Proficiency in the elementary technique of the pencil, charcoal, and brush, in black-and-white and color.)	

	POINTS
Elementary Oil Painting or Modelling.....	2- 4
(Drawing and painting from still-life are included under the above two headings.)	
Drawing from the antique.....	6- 8
Drawing from nature and from life.....	8-10
(Including landscape, animals, and figures.)	
Advanced painting from landscape and from life	} 10-14
Advanced modelling from life	
Advanced decorative work from nature	
Advanced composition (additional to prescribed course on page 316).....	5- 8
(Separately in Painting, Sculpture, and Decoration.)	
Original Design, Advanced.....	10-12
(Original work on specified programs, in Painting, Sculpture and Decoration, with final thesis-exercise accompanied by dissertation.)	
	<hr/> 45-60

Points not to exceed 4 in the aggregate may be granted for work done in summer schools of Art, or during the summer upon a schedule previously approved by Professor Dielman.

In general, except in the School of Architecture, the lecture courses and research work are assigned to the afternoon hours, the morning hours being left free for studio work. The collateral reading and research, consisting of studies upon assigned topics in the history of art, with accompanying sketches and written reports, may be pursued in the Avery Architectural Library, the departmental libraries of the Department of Fine Arts of Teachers College and of the School of Architecture, and in the library and collections of the Metropolitan Museum of Art.

REGISTER OF STUDENTS

School of Architecture

CANDIDATES FOR DEGREES

ACKER, JESSE.....	New York City
ALBERTSON, WILBUR NICHOLAS.....	New York City
ALMAND, JOHN PARKS, B.S. Emory 1907.....	Lithonia, Ga.
BRAINERD, HARRY BEARDSLEE.....	New York City
BRANNER, JOHN KENNEDY.....	Stanford, Cal.
BRENNER, SAMUEL.....	New York City
CABARROCAS, FELIX AYALA.....	Havana, Cuba
CATLIN, REGINALD WOODWARD, A.B. Yale, 1907.....	New York City
CHAPMAN, FREDERICK BURNHAM, A.B. Yale 1905.....	Auburn, N. Y.
CLARK, DANA LOUIS.....	Cleveland, Ohio
CLARK, JOSEPH H., A.B. Yale 1905.....	New York City
FOGARTY, JAMES, B.S. Charleston 1908.....	Charleston, S. C.
FOSTER, WILLIAM EDWARD, Ph.B. Yale 1907.....	New Haven, Conn.
FUDJI, GILBERT JACQUES.....	New York City
GOLDMAN, HAROLD.....	New York City
JAHELKA, ROBERT.....	New York City
LATENSER, JOHN, JR.....	Omaha, Nebr.
MARKWITZ, ABRAHAM, B.S. Cooper Union 1906.....	New York City
MORSE, JARED KIRTLAND, Ph. B. Yale 1908.....	Evanston, Ill.
MURPHY, JOHN FREDERICK.....	Des Moines, Iowa
MUSE, ELIOTT HUNTER.....	Atlanta, Ga.
ROBINSON, BEVERLEY.....	New York City
SCHNETZKY, HUGO WALTER, A.B. Wisconsin 1907.....	Milwaukee, Wis.
SMALLWOOD, ROBERT FLEET, B.S. Davison 1906.....	New Berne, N. C.
SMITH, FARIS BARTON, A.B. De Pauw.....	Franklin, Ind.
TAYLOR, EDWARD CRAY.....	Los Angeles, Cal.
TROTT, JOHN CLINTON.....	New York City
VOLZ, HANS CARL.....	Greenwich, Conn.
WEIHER, HENRY ALBERT.....	New York City
WOOLSEY, H. M., A.B. Yale 1907.....	New Haven, Conn.
YOKOYAMA, YASOSHICHIRO.....	Tokio, Japan
ZETSCHKE, ROBERT GUNTHER.....	New York City
Total candidates for degree.....	32

CANDIDATES FOR CERTIFICATES

ADAMS, CARLETON WIER.....	San Antonio, Texas
ADLER, RUDOLF SARTORIOUS.....	Atlanta, Ga.
BARBER, HERBERT COLES.....	New York City
BONESTELL, CHESLEY KNIGHT, JR.....	Tucson, Ariz.
CLINCH, HOWARD TODD.....	New York City
CLOSE, BERNARD WELLS.....	New York City
COSMUS, KENNETH ARTHUR.....	New York City

DEAN, HENRY CHARLES.....	New York City
DETWILLER, FREDERICK KNECHT, Ph.B. Lafayette 1904, LL.B. N. Y.	
Law 1906.....	Easton, Pa.
ELY, SANDFORD DANA.....	Rutherford, N. J.
FLANAGAN, ALBERT EDWARD.....	East Orange, N. J.
FONTS, ARTHUR, JR.....	New York City
FORD, OSBORNE GILES.....	Wilmington, N. C.
FREES, HARRY JOHN.....	New York City
GRANGER, HAROLD STORY.....	New York City
GROSS, HAROLD.....	New York City
GUGLER, ERICH.....	Milwaukee, Wis.
GUNTHER, GEORGE PHILIP.....	New York City
HARDING, ALFRED HENRY.....	Mamaroneck, N. Y.
HARING, CHESTER EDWARD, A.B. Western Reserve 1908.....	Massillon, Ohio
HARTMAN, HARRIS VINCENT.....	Milwaukee, Wis.
HARTWIG, FREDERICK JOHN.....	Hoboken, N. J.
HICKENLOOPER, GEORGE.....	St. Louis, Mo.
HOAG, LEON HUESTED.....	New York City
HOWITT, LOUIS ROMER.....	White Plains, N. Y.
HYMAN, SAM LIGHTNER.....	San Francisco, Cal.
INGLE, JOHN WILLIAM, JR.....	New York City
KLEIN, WALTER.....	Weehawken, N. J.
KNIGHT, JOHN JACOB.....	Avon, N. Y.
DE LAGERBERG, LARS GASTON.....	Passaic, N. J.
LANG, JOHN THOMAS.....	New York City
LANGANN, OTTO FREDERICK, A.B. Harvard 1906.....	New York City
LOZANO, FRANCIS CALIXTO.....	Buenos Ayres, S. A.
McKENNEY, WILLIAM JAMES.....	New York City
MORALES, LEONARDO.....	Havana, Cuba
MOREWOOD, FRANCIS EDMUND.....	Englewood, N. J.
MURPHY, HENRY CRUSE, JR.....	New York City
PHILLIPS, EDWARD SOMERVILLE J.....	New York City
POLHEMUS, HENRY MARTIN.....	Englewood, N. J.
SCHMIDT, EDWARD GUNTHER.....	New York City
SCHMIDT, JULIUS W.....	New York City
SCHNEIDER, WALTER SCHLESINGER.....	New York City
SEIDENBERG, RODERICK.....	New York City
SENILLOW, JULIO.....	Buenos Ayres, S. A.
STAUB, PETER MICHAEL.....	Mamaroneck, N. Y.
SWARTWOUT, RUSSELL GEORGE.....	Scarsdale, N. Y.
THOMPSON, WILLIAM STUART.....	New York City
VON SCHWANENFLUEGEL, HUGO.....	New York City
VAN DRESSER, WALTER.....	Gloversville, N. Y.
WALKER, RUSSELL TRACY.....	Oyster Bay, N. Y.
WEAVER, JOHN ALLEN.....	Weehawken, N. J.
WEBER, RUDOLF HERMAN.....	New York City
WORTHINGTON, ADDISON FORD.....	Baltimore, Md.
ZELENKO, WILLIAM.....	New York City
Total candidates for certificate.....	54

NON-MATRICULATED STUDENTS

ADAMS, ARTHUR FREDERICK HOGARTH.....	Spokane, Wash.
ALMAND, HENRY GRADY, A.B. Emory 1907.....	Lithonia, Ga.
BARILI, ALFREDO, JR.....	Atlanta, Ga.
BERGAMINI, J. VAN WIE.....	New York City
BURDETT, THOMAS HENRY.....	Middletown, Nova Scotia

CHRISTIAN, ANNA MAY.....	Minneapolis, Minn.
DISTIN, WILLIAM GEORGE.....	Saranac Lake, N. Y.
DITTMER, CHARLES HERMAN.....	Kent, Ohio

FACULTY OF FINE ARTS

ETTART, RUSSELL, B.P. Furman 1895.....	New York City
FRENCH, FREDERICK FILLMORE.....	New York City
HAIGHT, ALTON CLARK.....	Brookfield Center, Conn.
JOHNSTON, HOWARD, JR.....	St. Paul, Minn.
KENYON, HENRY RUSSELL.....	New York City
KING, FREDERICK RHINELANDER.....	New York City
MACKBY, JULIUS.....	New York City
MAURER, HERMAN BARTHOLOMAUS.....	Hempstead, L. I.
MEAD, CHARLES BARRY.....	Hartford, Conn.
MORRIS, FRED MARTIN.....	Toledo, Ohio
NIENBURG, FREDERICK JOHN.....	New York City
PELL, HERBERT CLAIBORNE, JR.....	New York City
PRITZ, BESSIE, B.S. Nashville 1897.....	Nashville, Tenn.
SCOPES, WILLIAM HENRY.....	Albany, N. Y.
SEDGWICK, HENRY RENWICK.....	New York City
SQUIRES, FRANK CLINTON.....	Topeka, Kan.
THOMPSON, LEWIS I.....	Portland, Oregon
TRASK, FRANK EDGAR.....	Kansas City, Mo.
WHITE, GODDARD MAY.....	Brush Hill, Mass.
WHITON, AUGUSTUS SHERVILLE.....	New York City
ZINK, ANTHONY.....	New York City
Total Non-Matriculated students.....	29

CANDIDATES FOR THE HIGHER DEGREES

WAY, HAROLD DAVIS, Ph.B. Iowa 1907.....	Grinnell, Iowa
---	----------------

NOT IN ACTUAL RESIDENCE

BOTTOMLY, WILLIAM LAWRENCE, B.S. 1906 (McKim Fellow)....	Villa Mirafiore, Rome
Total.....	2

School of Music

GRADUATE STUDENT

BELLINGER, FRANZ (Mosenthal Fellow).....	Indianapolis, Ind.
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[1]

CANDIDATES FOR DEGREE

BARNETT, JULIUS BLYER.....	New York City
ERICKSON, FRED LOUIS.....	Escanaba, Mich.
FUCHS, HENRY HEWITT.....	New York City
GOTTLIEB, JACQUES LAWRENCE.....	New York City
POWELL, ALMA WEBSTER.....	New York City
RENTON, MARGARET.....	New York City

[6]

NON-MATRICULATED STUDENTS

BARNES, SUSIE R.....	Chatham Hill, Va.
BARTLEY, BESSIE H.....	New York City
BEDELL, ANNIE L.....	New York City
CHOTZINOFF, SAMUEL.....	New York City
DODD, MARION CANBY.....	New York City
GRAEF, ELIZABETH ANTOINETTE.....	New York City
HATCHER, EDITH LOGWOOD.....	Fork Union, Va.

KENT, FAY BARNABY.....	Bayonne, N. J.
KRAFT, WILLIAM JACOB.....	New York City
MEISEL, AMELIA JOSEPHINE.....	New York City
MENSCH, SAMUEL.....	New York City
MEYER, MAUD EMMA.....	New York City
MUSGROVE, MARY G.....	New York City
READE, CHARLES HARROP.....	Hoboken, N. J.
ROBERTS, GEORGE HENRY.....	New York City
SIMON, BIANCA SYLVIA.....	New York City
VOGEL, HARRY.....	New York City
WESCOTT, GEORGE EDWIN, JR.....	New York City
WINTER, NORMAN.....	New York City
WOLBARST, ROSE.....	New York City

[20]:

SUMMARY—FINE ARTS

ARCHITECTURE

Students candidates for degree.....	32
Students candidates for certificate.....	54
Non-matriculated students.....	29
Candidates for the higher degrees.....	2
Total, Architecture.....	117
Music.....	26
Grand total.....	143

BARNARD COLLEGE

TRUSTEES

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Mrs. A. A. ANDERSON, *Vice-Chairman*

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EDWARD W. SHELDON

Rev. WILLIAM M. GROSVENOR, D.D.

SETH LOW, LL.D.

FREDERIC B. JENNINGS

Mrs. HENRY N. MUNN

NICHOLAS MURRAY BUTLER, Ph.D.,

LL.D.(Cantab.), Litt.D. (Oxon.)

ALBERT G. MILBANK

Mrs. FRANCIS P. KINNICUTT

Miss CLARA B. SPENCE

CHARLES STEWART SMITH

HOWARD TOWNSEND

JOHN G. MILBURN

Miss FLORENCE COLGATE

Mrs. MALCOLM D. WHITMAN

Miss MARY STUART PULLMAN

GEORGE L. RIVES

Standing Committees

1908

EXECUTIVE COMMITTEE: Dr. BROWNELL (*Chairman*), Mrs. ANDERSON (*Vice-Chairman*), Mr. WAIT (*Clerk*), Dr. BUTLER, Miss COLGATE, Dr. GROSVENOR, Mrs. OSBORN, Mr. PLIMPTON, Mr. SHELDON.

ON FINANCE: Mr. MILBURN (*Chairman*), Mr. JENNINGS, Mr. TOWNSEND, and THE CHAIRMAN OF THE BOARD OF TRUSTEES (ex-officio).

ON BUILDINGS AND GROUNDS: Miss COLGATE (*Chairman*), Miss SPENCE, Mr. PLIMPTON, and THE PRESIDENT (ex-officio).

ON EDUCATION: Dr. GROSVENOR (*Chairman*), Mrs. OSBORN, Mr. SHELDON, THE PRESIDENT AND THE CHAIRMAN OF THE BOARD OF TRUSTEES (ex-officio).

OFFICERS OF INSTRUCTION

Officers of the Faculty

NICHOLAS MURRAY BUTLER, Ph.D., LL.D. (Cantab.), Litt.D. (Oxon.),
President

WILLIAM TENNEY BREWSTER, A.M. *Acting Dean and ex-officio
Member of the University Council*

JAMES HARVEY ROBINSON, Ph.D. (Term expires 1909) *Elected
Council Delegate to the University*

HENRY E. CRAMPTON, Ph.D. (Term expires 1911) *Acting Secretary
and Elected Delegate to University Council*

The Faculty

NICHOLAS MURRAY BUTLER, Ph.D., LL.D. (Cantab.), Litt.D. (Oxon.),
President

EDWIN R. A. SELIGMAN, Ph.D., LL.D. *McVickar Professor of
Political Economy*

HERBERT L. OSGOOD, Ph.D., LL.D. *Professor of History*

¹ EDWARD DELAVAN PERRY, Ph.D., LL.D. *Jay Professor of Greek*

GEORGE RICE CARPENTER, A.B., D.C.L. *Professor of Rhetoric and
English Composition*

FRANKLIN HENRY GIDDINGS, Ph.D., LL.D. *Professor of Sociology
and the History of Civilization*

JOHN B. CLARK, Ph.D., LL.D. *Professor of Political Economy*

JAMES RIGNALL WHEELER, Ph.D. *Professor of Greek Archæology
and Art*

FRANK N. COLE, Ph.D. *Professor of Mathematics*

JAMES HARVEY ROBINSON, Ph.D. *Professor of History*

CALVIN THOMAS, LL.D. . . *Gebhard Professor of the Germanic Languages
and Literatures*

¹ CARLO LEONARDO SPERANZA, A.M., B. ès L. *Professor of Italian*

WILLIAM P. TRENT, M.A., LL.D., D.C.L. *Professor of English
Literature*

HERBERT GARDINER LORD, A.M. *Professor of Philosophy*

NELSON GLENN MCCREA, Ph.D. *Professor of Latin*

LIVINGSTON FARRAND, A.M., M.D. *Professor of Anthropology*

HENRY E. CRAMPTON, Ph.D. *Professor of Zoölogy*

WILLIAM TENNEY BREWSTER, A.M. *Professor of English*

CHARLES KNAPP, Ph.D. *Professor of Classical Philology*

HENRY L. MOORE, Ph.D. *Professor of Political Economy*

HERBERT MAULE RICHARDS, Sc.D. *Professor of Botany*

MARGARET E. MALTBY, Ph.D. *Adjunct Professor of Physics*

LOUIS AUGUSTE LOISEAUX, B.S. *Adjunct Professor of the Romance
Languages and Literatures*

JAMES T. SHOTWELL, Ph.D. *Professor of History*

GEORGE WILLIS BOTSFORD, Ph.D. *Adjunct Professor of History*

EDWARD KASNER, Ph.D. *Adjunct Professor of Mathematics*

CURTIS HIDDEN PAGE, Ph.D. *Professor of the Romance Languages
and Literatures*

¹ Absent on leave second half-year

WILLIAM P. MONTAGUE, Ph.D.	Adjunct Professor of Philosophy
GRACE A. HUBBARD, A.M.	Adjunct Professor of English
MRS. MARY KINGSBURY SIMKHOVITCH, A.B.	Adjunct Professor of Social Economy
MABEL FOOTE WEEKS, A.B.	Adjunct Professor of English
MARIE REIMER, Ph.D.	Instructor in Chemistry
ARLHELM ALFRED BRAUN, Ph.D.	Instructor in the Germanic Languages and Literatures

Standing Committees of the Faculty

COMMITTEE ON THE PROGRAM OF STUDIES: The Acting DEAN, *chairman*. Professors KNAPP, RICHARDS, SHOTWELL and MONTAGUE

COMMITTEE ON ADMISSIONS: Professors COLE, *chairman*, KNAPP and Dr. HAZEN

COMMITTEE ON SCHOLARSHIPS: The Acting DEAN, *chairman*, Professor HUBBARD and Dr. HIRST

COMMITTEE ON HONORS: Professors ROBINSON, *chairman*, MALTBY and Dr. BRAUN

COMMITTEE ON STUDENT ORGANIZATIONS: Dr. REIMER, *chairman*, Professors MOORE and WEEKS

Other Officers of Instruction

² HENRY BARGY, A.M.	WILLIAM C. KRATHWOHL, A.B.
GERTRUDE M. HIRST, Ph.D.	MAUDE ALINE HUTTMANN, A.M.
TRACY ELLIOT HAZEN, Ph.D.	GRACE LANGFORD, S.B.
RAYMOND C. OSBURN, Ph.D.	CLARK WISSLER, Ph.D.
HENRI F. MULLER, B. ès L.	ALGERNON DE V. TASSIN, A.M.
ELEANOR KELLER, A.B.	EUGENE E. AGGER, Ph.D.
IDA H. OGILVIE, Ph.D.	ROBERT EMMET CHADDOCK, A.M.
¹ MARGARET A. REED, A.B.	HERBERT H. WOODROW, A.B.
T. LESLIE SHEAR, Ph.D.	VIRGINIA C. GILDERSLEEVE, Ph.D.
HAROLD C. BROWN, Ph.D.	LOUISE HOYT GREGORY, A.M.
PAULINE HAMILTON DEDERER, A.M.	EDWARD HALL GARDNER, A.B.
ALEXANDER OTTO BECHERT, A.M.	HERMON W. FARWELL, A.M.
MARION E. LATHAM, A.M.	Mrs. JULIANA S. HASKELL, Ph.D.
ALLEN W. PORTERFIELD, A.M.	ANNIE L. MACLEOD, M.Sc.
EDGAR H. STURTEVANT, Ph.D.	MARGARET A. KINGSLEY, A. B.
	CHARLES JONES OGDEN, A.B.
	ALICE DOROTHY BREWSTER, A.M.

For other officers of the University who may give instruction to students of Barnard College, consult the several departmental statements.

¹ Absent on leave.

² Resigned

Officers of Administration

Mrs. N. W. LIGGETT, A.B., *Bursar*ANNA E. H. MEYER, A.B., *Secretary*VIRGINIA TUCKER BOYD, A.B., *Clerk*FREDERICK A. GOETZE, M.Sc., *Consulting Engineer*BERTHA L. ROCKWELL, *Librarian of Barnard College*

GENERAL STATEMENT

In 1883 the Trustees of Columbia College offered degrees to women who should be able to pass the necessary examinations, without, however, providing instruction for them. The resulting system, called *The Collegiate Course for Women*, proved unsatisfactory to both parties. Therefore Barnard College was organized in 1889 to provide instruction for women which should be identical with or equivalent to that provided by Columbia for men.

For eleven years it duplicated for women as far as possible the curriculum of Columbia College, and also registered for graduate work under the University Faculties women who held the bachelor's degree from institutions of good standing. Its instructors were members of the University staff. Examinations for entrance, those given in course, and those for degrees, were conducted by Columbia University. During the first three undergraduate years separate instruction was given to women; in the senior year they were admitted to certain courses in the University. Graduate students attended many courses at the University under the Faculties of Philosophy, Political Science, and Pure Science, the laboratory work in science being done at Barnard College.

However, Barnard's numerical growth made inappropriate the informal arrangement for instruction which was the natural method at the outset, and it became necessary to recognize formally the status which had gradually come into existence. Accordingly, an agreement was entered into in January, 1900, by which Barnard was included in the University system. Barnard is now an independent college for women with a corporation and a faculty of its own vested with all the powers commonly belonging to such bodies. At the same time, it shares the library, the instruction, and the degrees of Columbia University.

A more exact idea of the relations between Barnard College and Columbia University and also of the relations between Barnard College and Teachers College is given in the *résumé* of the agreement above mentioned to be found in the current edition of the *Announcement of Barnard College*. This may be obtained without charge upon application to the Secretary of Barnard College.

ADMISSION

The Committee on Admission has charge of everything relating to this subject.

The general regulations for admission are the same as those for Columbia College, see page 187.

Every candidate for admission to Barnard College, either to the freshman class or to a special course, is required at the entrance examinations to offer subjects amounting to fifteen (15) units as indicated below. A unit here represents a course of five periods weekly throughout an academic year of the preparatory school.

The candidate *must* offer:

	COUNTING IN UNITS
English.....	3
Elementary Mathematics.....	3
and in case of a candidate for the A.B. degree:	
Elementary Latin	4
or in case of a candidate for the B.S. degree:	
Science.....	2
Intermediate or Advanced subjects.....	2
or in case of a candidate for the general two-years' course:	
Ancient or Modern Foreign Languages.....	4
History, Foreign Languages, Mathematics or Science.....	5

The candidate may offer any of the following subjects without other restriction than that to offer an advanced subject will involve offering the corresponding elementary subject as well:

	COUNTING IN UNITS
Elementary Greek.....	3
Elementary History (see page 175).....	1 OR 2
Drawing.....	1
Music.....	1
Intermediate French.....	1
Intermediate German.....	1
1 Advanced English.	1
1 Advanced Greek.....	1
1 Advanced History.....	1
1 Advanced Latin.....	1
Advanced Mathematics.....	1

and in the case of candidates for B.S. degree:

Elementary Latin (see page 176).....	2
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The candidate may offer not more than 4 units in all from the three subjects following:

¹ Candidates will be examined in this subject only in January and September.

	COUNTING IN UNITS
Elementary French.....	2
Elementary German.....	2
Italian.....	2
Spanish.....	2

The candidate may offer not more than 2 units in all from the five subjects following, except candidates for the B.S. degree, who may offer 2 units or more without restriction:

	COUNTING IN UNITS
Botany.....	1
Chemistry.....	1
Elementary Physics.....	1
Physiography.....	1
Zoölogy.....	1

For full definitions of the above requirements and for information regarding the times and places at which entrance examinations are held, regulations regarding division of examinations, examinations outside of New York, application blank, and examination fee, see pages 169-178.

Certificates in Lieu of Entrance Examinations

See the "Acceptance of Certificates in Columbia College," page 189.

Entrance Conditions and Probation

A student may be admitted to the freshman class on probation when the total number of units received by her in the entrance examinations amount to eleven (11) out of the total required fifteen (15) units; but general deficiency in any one of the prescribed subjects will be regarded as disqualifying a candidate for admission.

A student admitted conditionally or by certificate will be held under probation during the first half-year of residence. For a detailed statement regarding the conditions of probation, see "On Probation in Columbia College," page 189.

To Advanced Standing

See the "Requirements for Admission to Advanced Standing in Columbia College," page 189.

In addition, the credits granted in any subject to a student admitted with advanced standing may be withdrawn or diminished in amount, if, in pursuing such subject after admission to Barnard College, the student proves that the granting of the credits was wholly or in part unwarranted by her previous work.

No student may receive a degree who has resided less than two full half-years at Barnard College.

No applicant will be allowed to enter the senior class as a candidate for a degree after October 15 in any year.

As Special Students

Candidates for admission as special students must make application in writing at least one week before the first day of the entrance examinations in September or in January. Proper blanks for this purpose may be obtained from the Registrar.

Special students in Barnard College are of two classes: non-matriculated and matriculated.

Non-matriculated special students must be women of mature age who wish to pursue chiefly advanced courses of special study. They may be admitted at the discretion of the Committee on Admissions without passing formal entrance examinations. They must furnish proof that they have at some time pursued the studies included in the matriculation examinations and must satisfy the requirements of the department that they desire to enter.

No courses taken by non-matriculated special students can at any time be counted by them toward a degree.

Matriculated special students are women who wish, without taking a degree, to make a serious study of some subject or group of subjects. They must pass the regular examinations for admission to the freshman class and have full credit for fifteen (15) units of the entrance requirements. (See p. 309.) They may, therefore, in event of a change of plan, be credited with such of their courses as may coincide with the courses leading to a degree.

Information regarding the regulations governing the election of studies, amount of work, attendance, examinations, etc., of special students is contained in the *Announcement of Barnard College*, which can be obtained without charge from the Secretary of Barnard College.

MATRICULATION, REGISTRATION, FEES

Detailed information regarding matriculation, registration, and fees will be found in the current *Announcement of Barnard College*, which can be obtained without charge on application to the Secretary of Barnard College.

DORMITORY

(See page 46)

THE PROGRAM OF STUDIES

Upon completion of a curriculum arranged on one of the plans to be described below, the student is recommended by the Faculty of

Barnard College for the degree of Bachelor of Arts or Bachelor of Science.

I THE PROGRAM OF STUDIES FOR THE DEGREE OF BACHELOR OF ARTS

Unless the equivalents are offered for admission, the following courses are prescribed:

English A.....	6 points
English B.....	6 "
French A and German A.....	12 "
History A.....	6 "
Latin A or B.....	6 "
Mathematics A.....	6 "
Philosophy A.....	6 "
Physical Education A and B.....	4 "
Economics A.....	3 "
Chemistry 5-6 or Physics 11-12.....	6 "
Botany, Chemistry, Geology, Physics, Psychology (Experimental), or Zoölogy: two half-year courses in addition to the foregoing requirements in Physics or Chemistry.....	6 "
Major subject.....	18 "
Free electives to complete the total of.....	124 "

II THE PROGRAM OF STUDIES FOR THE DEGREE OF BACHELOR OF SCIENCE

Unless the equivalents are offered for admission, the following courses are prescribed:

English A.....	6 points
English B.....	6 "
French A and German A.....	12 "
History A.....	6 "
Mathematics A.....	6 "
Philosophy A.....	6 "
Physical Education A and B.....	4 "
Grouped work in Astronomy, Botany, Chemistry, Geography, Geology, Mineralogy, Physics, Ex- perimental Psychology, and Zoölogy, amounting to a total of at least.....	70 "
(Of these 70 points at least 28 points shall be taken in a major subject, at least 12 points in an allied minor subject, and at least 12 points in a diverse minor.)	

III GENERAL TWO YEARS' COURSE, NOT LEADING TO A DEGREE

This general course is specially arranged to furnish the collegiate foundation for professional work at Teachers College. It comprises 64 points of work and includes the following prescribed courses unless their equivalents have been offered for admission:

English A or a more advanced course in rhetoric.....	6	points
English Literature: two half-year courses.....	4 or 6	"
French, German, Italian, Spanish: two half-year courses in each of two modern languages, preferably French and German.....	12	"
History A or a more advanced course in history.....	6	"
Physical Education A and B.....	4	"
Botany, Chemistry, Geology, Physics, or Zoölogy: two half-year courses in each of two natural sciences that have not been offered for entrance, at least.....	12	"
Elective courses to complete the total of.....	64	"

In regard to the choice of elective courses a student should seek the advice of the professor in charge of her prospective major subject in Teachers College.

After satisfactory completion of 64 points of work in Barnard College, including the courses listed above, a student may transfer, without examination, to the professional curriculum of Teachers College and become a candidate for a Teachers College diploma and the degree of Bachelor of Science in Education.

In consequence of the agreement on the part of Barnard College to provide the collegiate course required by Teachers College for admission to its professional curriculum, Teachers College has withdrawn its collegiate curriculum.

IV OPTIONS IN THE PROFESSIONAL SCHOOLS FOR CANDIDATES
FOR A BARNARD COLLEGE DEGREE

A student may plan her work in such a way as to earn a professional diploma from Teachers College at the same time as her academic degree from Barnard College. With the permission of the Dean of Barnard College and the Dean of Teachers College she may transfer to Teachers College at the end of her junior year under the following provisions. A candidate for the degree of Bachelor of Arts must have completed 94 points of work in Barnard College, comprising all of the required courses, including a major subject of at least 18 points and Education A. A candidate for the degree of Bachelor of Science must have completed 94 points of work at Barnard College, comprising all of the specifically prescribed courses and of the grouped work a major subject of at least 28 points with an allied minor subject of 12 points and Education A.

On receipt of a statement from the Faculty of Teachers College that a student so transferred has satisfactorily completed the requirements

for the bachelor's diploma in Teachers College, the student will be recommended by the Faculty of Barnard College for the degree of Bachelor of Arts or Bachelor of Science, provided she shall have fulfilled the requirements for either of those degrees as laid down in the *Announcement of Barnard College*.

For full details regarding the major subjects in teaching, their requirements and prerequisites in collegiate work, and the most advantageous division of work in education, the student is referred to the current *Announcement of Teachers College*.

Scholarships, Prizes, and Honors

(See page 437)

REGISTER OF STUDENTS

SENIORS—CLASS OF 1909

ABRAHAM, MATHILDE.....	New York City
ARKENBURGH, GLADYS STOKLEY.....	New York City
ARON, BEATRICE MARGUERITE.....	Englewood, N. J.
BARROWS, WINIFRED.....	Greenwich, Conn.
VOM BAUR, EVA ELISE.....	New York City
BEEKMAN, BEATRICE.....	New York City
BERNARD, UNA MERRILEES.....	London, England
BOAS, HELENE MARIE.....	Grantwood, N. J.
BOYD, MARION ALICE.....	New York City
BUGBEE, EMMA.....	Methuen, Mass.
CARROLL, ANTOINETTE LARTIQUE.....	New York City
CASSEBEER, EDNA MARIE.....	New York City
COCHRAN, JESSIE ISABELLE.....	New York City
DANN, MARGIE ETHEL.....	Bloomfield, N. J.
DAVIES, HAZEL LUCILE.....	Scranton, Pa.
DEMAREST, MARY CELIA.....	Nanuet, N. Y.
DEMPSEY, JOSEPHINE AGNES V.....	New York City
FALK, HANNAH CAROLYN.....	New York City
FRINK, MARGARET HUDDLESTON.....	New York City
GAY, ELEANOR.....	New York City
GOLDBERG, JULIA.....	New York City
GOODWIN, ETHEL LIZZIE.....	New York City
GRANT, ALICE CATHERINE.....	Yonkers, N. Y.
HARDER, ELFRIDA.....	Philadelphia, Pa.
* HARDY, RUTH GILLETTE.....	New York City
HASTINGS, ELINOR ISABEL.....	New York City
* HOCHHEIMER, RITA.....	New York City
HODSDON, ETHEL WENTWORTH.....	Jersey City, N. J.
HOLLAND, MARY ELIZABETH.....	Milford, Del.
HOLLAR, MARY RANKIN.....	Philadelphia, Pa.
HOLT, EVELYN.....	New York City
HUBBARD, JENNIE FIELDS WARREN.....	Bloomfield, N. J.
INGALLS, FRANCES MAY.....	New York City
JAGGARD, ALICE GRANGER.....	New York City
JOHNSON, PAULINE DUSTIN.....	New York City
JOSEPHI, EDITH.....	New York City
KENNEY, MARGARET FRANCES.....	Plainfield, N. J.
KLOSTER, VERA ELEANOR.....	New York City
KUPFER, VERA BEULAH.....	New York City
LEE, EUGENIA.....	Stafford Springs, Conn.
LEVY, JESSIE.....	New York City
LOGAN, UNA.....	Yonkers Park, N. Y.
MCLEAN, MYRA.....	Port Washington, N. Y.
MILLER, EUNICE HOTALING.....	New York City
MURCH, HORTENSE DEAN.....	Glen Ridge, N. J.

NEWBOLD, HELEN.....	New York City
O'BRIEN, JOSEPHINE GERTRUDE.....	New York City
OPPENHEIM, ELLA.....	New York City
PHILLIPS, EDNA.....	New York City
PHILLIPS, HELEN SARAH.....	New York City
RICHARDSON, ADELAIDE AGNES.....	New York City
RILKE, OLGA EMMA.....	New York City
ROME, SARA.....	New York City
ROSENFELDER, FANNIE.....	Louisville, Ky.
SCALES, EDNA REBECCA.....	Jersey City, N. J.
SCHEUER, HELEN GERTRUDE.....	New York City
SCHLESINGER, MILDRED DESHON.....	Yonkers, N. Y.
SHALE, BYRDE BELLE.....	New York City
SMITH, ELSIE.....	Mount Vernon, N. Y.
SMITH, MAUDE CATHERINE.....	Bloomfield, N. J.
SMITHERS, HERLINDA GENEVIEVE.....	New York City
SWENSON, MARY ELIZABETH.....	New York City
THOMPSON, LUCY IRENE.....	New York City
TURNBULL, LAURA SHEARER.....	New York City
UNDERWOOD, ANNA.....	Belleville, N. J.
* WESTAWAY, LOIS BESSIE.....	New York City
WOOD, HILDA.....	New York City
WYETH, FLORENCE.....	New York City
WYLIE, JENNIE DWIGHT.....	New York City
* Candidates for a Teachers College diploma in Education.	
Seniors—Class of 1909.....	69

JUNIORS—CLASS OF 1910

CANDIDATES FOR THE A.B. DEGREE

AIGUIER, HELEN LOUISE.....	Newark, N. J.
ALEXANDER, LEE FRANCES.....	New York City
ANDERSON, ALTA.....	Long Branch, N. J.
AUERBACH, CLARICE.....	New York City
BAILEY, MARY WITTER.....	New York City
BARROWS, TESSIE.....	New York City
BOHAN, LENA.....	Plainfield, N. J.
BONFILS, GLADYS ALDEN.....	New York City
BURGER, FRANCES.....	New York City
CHILDS, RUTH.....	New York City
CROSBY, CLARITA FRANCES.....	New York City
CROSSMAN, HELEN LOUISE.....	New York City
DEAN, HETTY ANNA.....	Little Silver, N. J.
DEBOUY, CECILE CATHERINE.....	New York City
DOWNES, MILDRED.....	Jersey City, N. J.
EDDY, ELISE SAVOYE.....	Bayonne, N. J.
EGGLESTON, MARGERY KATHARINE.....	New York City
EGLESTON, LILIAN HILLYER.....	Elizabeth, N. J.
EMERY, MAUDE EMMA.....	Newark, N. J.
FANCHER, EDNA MARGARET.....	New York City
FIREBAUGH, BERTHA HARRIET.....	New York City
FLEMING, CARRIE ORR.....	New York City
FLINT, MARIE LOUISE.....	New York City
FOX, HARRIET RUTH.....	New York City
FRANKE, GRETCHEN MALVINA.....	Bound Brook, N. J.
FRANSIOLI, ANTOINETTE.....	New York City

GIBSON, MARION LATHROP.....	New York City
GODLEY, MARY FRANCE.....	New York City
GORDON, ANNA MIRIAM.....	New York City
GRAHAM, ELLEN LAVINE.....	Greenville, S. C.
GREENE, FLORENCE ETHEL.....	Jersey City, N. J.
HAITHWAITE, CHARLOTTE.....	New York City
HALL, THEODORA.....	New York City
HAMBURGER, NANNETTE FRANCES.....	New York City
HANLEY, KATHLEEN VERONICA.....	New York City
HEDLEY, HILDA WARREN.....	New York City
HELLER, EDNA.....	New York City
HENDERSON, GRACE.....	Westchester, N. Y.
HERRMANN, MAY THERÈSE.....	New York City
HILL, ANTOINETTE DYETT.....	Netherwood, N. J.
HOLM, ANNA SOPHIE.....	Perth Amboy, N. J.
HOLZMAN, BESSIE.....	New York City
HOPEWELL, FLORENCE ISABEL.....	New York City
HOPEWELL, STELLA LOUISE.....	New York City
HOYT, HELEN SARAH.....	Nutley, N. J.
HUNTER, GERTRUDE LAURA.....	Plainfield, N. J.
HUNTINGTON, ANNE ELDERKIN.....	Hartsdale, N. Y.
IVIMEY, ETHEL MARGUERETE.....	New York City
JACKSON, VIOLETTA.....	New York City
JAQUES, MARY VOORHEES.....	Elizabeth, N. J.
KERR, LOIS.....	Englewood, N. J.
KING, MARIE BERNADETTE.....	Montclair, N. J.
KIRCHWEY, DOROTHY BROWNING.....	New York City
LAWRENCE, ETHEL ELIZABETH.....	New York City
LEE, OLGA.....	New York City
LEVY, ROSE ADELAIDE.....	New York City
LOEHRSEN, ADELAIDE.....	New York City
LONG, DORIS.....	New York City
MCCANN, MABEL DOROTHY.....	New York City
MCPHERSON, HELEN.....	New York City
MACMURRAY, CHRISTELLA FRANCES.....	Nyack, N. Y.
MANDEL, LENA.....	New York City
MARTIN, ELEANOR MARION.....	Perth Amboy, N. J.
MEIER, GRACE EDITH.....	New York City
MOLLENHAUER, VIRGINIA.....	New York City
MONTESER, MARION JULIA.....	Yonkers, N. Y.
MOSES, ROSE.....	New York City
NAMMACK, MARY.....	New York City
NITCHIE, ELIZABETH.....	New York City
NOTTINGHAM, JESSIE RAY.....	Portland, Ore.
NYITRAY, ETHEL.....	New York City
O'DONNELL, AGNES TERESA.....	New York City
O'DONNELL, MARGARET MARY ALACOQUE.....	New York City
PALMER, EDNA ADELINE.....	New York City
PLATT, ROSETTA F.....	New York City
PLAUT, ELSIE.....	New York City
RAWCLIFFE, ELIZABETH.....	New York City
READ, FLORENCE WALLACE.....	New York City
REEDER, GRACE AMELIA.....	Hastings-on-Hudson, N. Y.
REILLY, DOROTHY CECILIA.....	New York City
RENTON, MARGARET.....	New York City
RICH, NELLIE EDNA.....	Mount Vernon, N. Y.

RIORDON, ANTOINETTE.....	New York City
SAMEK, BLANCHE.....	New York City
SAVITZ, HELEN ELIZABETH.....	Westfield, N. J.
SEGUINE, EDITH CHRISTINE.....	New York City
SHAW, AGNES GARDNER.....	Rockland Lake, N. Y.
SHAW, ETHEL LORD.....	New York City
SILVERMAN, SULAMITH.....	New York City
SMITHERS, ADELAIDE ELLEN.....	New York City
SPALDING, LEONÉ FLORENCE.....	New Rochelle, N. Y.
STARK, MAY BELLE.....	New York City
STRYKER, LAURA MACELWAIN.....	White Plains, N. Y.
TALPEY, EDITH MAY.....	New York City
THOMPSON, OLIVE.....	New York City
THOMSON, AGNES.....	New York City
THORNE, NATHALIE.....	New York City
VER PLANCK, GEORGIA ANNA.....	White Plains, N. Y.
WAGNER, JULIA ANNA.....	New York City
WAYT, HAZEL IRENE.....	New York City
WEINSTEIN, MARION.....	Waterbury, Conn.
WEST, JULIA RAY.....	New York City
WESTON, ETHEL GENEVIEVE.....	New York City
WOODHULL, MILDRED.....	New York City
WOODHULL, HAZEL.....	New York City
WORRALL, HELEN DARLINGTON.....	New York City

CANDIDATE FOR THE B.S. DEGREE

SCHWARTE, JOHANNA JULIA.....	Saratoga Springs, N. Y.
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Juniors—Class of 1910.....108

SOPHOMORES—CLASS OF 1911

CANDIDATES FOR THE A.B. DEGREE

ALLEN, EDITH LOUISE.....	New York City
ANDERSON, LILLIAN SOPHIE.....	New York City
BENNETT, ALICE LAURA.....	Georgetown, Conn.
BISHOP, FANNY AURILL.....	New York City
BLOCH, STELLA.....	New York City
BOKSHITZKY, IDA.....	New York City
BOSCH, JOSEPHINE ADELE.....	New York City
BRADBEER, HELEN ELIZABETH.....	Mount Vernon, N. Y.
BROWN, HELEN.....	Boonton, N. J.
BROWN, JUANITA.....	New York City
BROWN, PAULINE.....	Toledo, O.
BROWNING, TELITHA.....	Ogden, Utah
BRUNING, EMILIE ELIZABETH MARGARET.....	New York City
BURKE, AGNES MADELINE.....	Morristown, N. J.
BURNE, ELEANOR.....	New York City
BURNS, EDITH CROWELL.....	New York City
BURNS, RUTH AUGUSTA.....	Port Chester, N. Y.
BURR, EMILY THORP.....	Greenwich, Conn.
CALLAN, ANNA MAY.....	New York City
CARROLL, RUTH.....	Warwick, N. Y.
CASSEL, THERESE.....	New York City
CLÉMENT, AMELIA AURÉLIE.....	New York City
CONROY, MARY SYLVESTER.....	New York City
COOMBS, HELEN COPELAND.....	Yonkers, N. Y.

COSTON, LAILA ANABEL.....	Scranton, Pa.
CRANDELL, HELEN HOPKINS.....	Hempstead, N. Y.
CURRIER, HARRIET JOY.....	Brewer, Me.
DENIKE, AGNES MAY.....	New York City
DEWEY, EVELYN.....	New York City
DORNING, ISABEL JANET.....	New York City
DRUDING, MARGUERITE DOROTHY CECILIA.....	New York City
DUNCAN, ADELE.....	New York City
FELCH, ETHEL LOUISE.....	New York City
FOX, JESSIE DOUGLAS.....	Yonkers, N. Y.
FRAME, RACHEL MOORE.....	Mount Vernon, N. Y.
FUESLEIN, VERA AMANDA.....	New York City
GAY, KATHARINE.....	New York City
GERSTEIN, ROSE.....	New York City
GIRDNER, PENELOPE MORGAN.....	New York City
GLEASON, ELSIE.....	New York City
GRAY, ELIZABETH NAOMI.....	Palisade, N. J.
GREENAWALT, LOUISE DE FOREST.....	Red Bank, N. J.
GREIFF, LOTTIE JUNE.....	New York City
HAKES, RUTH JOHNSTON.....	Ijion, N. Y.
HART, MARGARET TOWER.....	New York City
HEIDEN, IRMA FANNY.....	New York City
HERRMANN, ANNA LOUISE.....	New York City
HILL, ALICE TAYLOR.....	New York City
HIRSH, MADELEINE.....	New York City
HOGAN, MARGARET ROSALIND.....	New York City
HOLZWASSER, FLORRIE.....	New York City
IHLENG, OLGA KATHRYN.....	New York City
JOHNSON, LOUIE ESTELLE.....	New York City
KEMPTON, ETHEL MAY.....	Yonkers, N. Y.
KUGLER, ANNA AUGUSTA.....	New York City
LEWIS, CLARA ALICE.....	New York City
LOVELL, GRACE GREENE.....	New York City
LUSTGARTEN, AUGUSTA.....	New York City
MCCLENEHAN, EDITH MARTHA.....	New York City
McKEEVER, EDNA JOSEPHINE.....	New York City
MACCULLEY, EVA MURPHY (Mrs. Caleb S. MacCulley).....	New York City
MAHON, DOROTHEA HELEN.....	New York City
MAISON, ELLEN NAAR.....	Rutherford, N. J.
MAYER, THERESA.....	New York City
MINOR, SUSAN BROWN.....	Freehold, N. J.
MORDECAI, EVA CECILE.....	New York City
MOSS, RUTH LILLIAN.....	New York City
OBERNDORFER, MARIAN.....	New York City
OCKERS, LOUISE ELIZABETH.....	Oakdale, N. Y.
O'GORMAN, ALICE MARGARET.....	New York City
POLHEMUS, MARY BARTOW.....	Englewood, N. J.
PORTER, HELEN MAUD.....	Yonkers, N. Y.
PRATT, MARION.....	New York City
PROCHAZKA, OTTILIE.....	New York City
RANDOLPH, FRANCES MAUDE FITZ.....	New York City
REID, MABEL JEAN.....	New York City
REYNAR, MARGUERITE WOOTON.....	Boonton, N. J.
RIVKIN, MAMIE.....	New York City
ROSE, FLORENCE.....	Hackensack, N. J.
ROTHSCHILD, BERTHA BLANCHE.....	Woodville, Miss.

RUNYON, HELEN DE MOTT.....	West Summit, N. J.
SALMOWITZ, ROSE L.....	New York City
SALWEN, DOROTHY.....	New York City
SANBORN, MILDRED LOUISE.....	New York City
SANFORD, GEORGINA.....	Dansville, N. Y.
SAUL, GERTRUDE ELIZABETH.....	New York City
SCHLESINGER, ETHEL.....	New York City
SCHOEDLER, LILLIAN HELEN.....	New York City
SEVESO, ANGELINA.....	New York City
SHAW, GRACE MARGARET.....	White Plains, N. Y.
SHAW, MARY BRAMAN.....	New York City
SHWITZER, MYRTLE.....	New York City
SICKELS, KATHERINE HAMILTON.....	New York City
SILLCOX, LOUISE MARIA.....	New York City
STAGEN, RUTH MADELINE.....	New York City
STAPFF, HETTA.....	New York City
STEINECKE, JEANNETTE AMELIA.....	New York City
STEWART, CAMILLA.....	New York City
STEWART, NATALIE.....	New York City
STIMSON, MAUD BEULAH.....	New York City
STRAUS, STELLA.....	New York City
THACKERAY, GENEVIEVE.....	New York City
THOMSON, ELIZABETH.....	New York City
TIEMANN, KATE HUNTINGTON.....	New York City
VAN BUSKIRK, ANNIE SCHMELZEL.....	New York City
VERLAGE, CHARLOTTE CECILE MARIE.....	New York City
WAITE, ETTA ADELAIDE.....	River Edge, N. J.
WEIL, AMY.....	New York City
WYMAN, LINDA C.....	New York City
WILKES, HELEN.....	Irrington, N. J.
WILLETS, GERALDINE.....	White Plains, N. Y.
WILSON, MARY BADGER.....	Washington, D. C.

CANDIDATE FOR THE B.S. DEGREE

DUNNET, ELIZABETH VYSE.....	New York City
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CANDIDATE FOR TRANSFER AT THE END OF TWO YEARS TO THE PROFESSIONAL
SCHOOLS OF THE UNIVERSITY

JOHNSTON, MARJORIE ARMSTRONG.....	New York City
Sophomores—Class of 1911.....	114

FRESHMEN—CLASS OF 1912

CANDIDATES FOR THE A.B. DEGREE

ANDERSON, FLORENCE De NOYELLES.....	Haverstraw, N. Y.
AUBERBACH, JENNIE GABRIEL.....	New York City
BERRIAN, GEORGINA.....	New York City
BLACK, HELEN.....	New York City
BLOUNT, IDA MAY.....	Atlanta, Ga.
BLUMGARTEN, SARAH LILLIAN.....	Bayonne, N. J.
BOEGEHOLD, HILDA LOUISE.....	Mount Vernon, N. Y.
BOOTH, EDNA LILLIAN.....	New York City
BORCHARDT, GERTRUDE SARAPHINE.....	New York City
BRENNAN, MAUDE MARSDEN.....	New York City
BRISTOL, HAZEL KNOX.....	New York City
BUNZEL, BESSIE.....	New York City

BURKHOLDER, HAZEL.....	New York City
CASE, ROSALIND CORWIN.....	Peconic, N. Y.
CEROW, GEORGIA ANGELA.....	New York City
CHILTON, CECILE MORGAN.....	Montgomery, Ala.
CLARKHEW, MARGARET.....	Woodcliff-on-Hudson, N. J.
COFFIN, GRACE.....	New York City
COYLE, MOLLY BROOKE TEMPLE.....	New York City
CRADDOCK, CATHERINE ETHEL.....	New York City
CUSACK, GERTRUDE CECILIA.....	New York City
DAKIN, CORNELIA HEAL.....	New York City
DALGLEISH, IRENE LOUISE.....	Stamford, Conn.
DEACON, EDITH MAY.....	New York City
DIEHL, MARY VICTORIA.....	West New York, N. J.
DODGE, MILDRED.....	New York City
DOTY, ELEANOR MANDEVILLE.....	New York City
EATON, LEVANCHIA VIBBARD.....	Dansville, N. Y.
ELLISSON, ESTELLE JAMES.....	New York City
ENGLISH, ELIZABETH.....	New York City
FISCHEL, REBECCA VIOLA.....	New York City
FISCHER, GRACE MARION.....	New York City
FITZ, LOUISE.....	Peconic, N. Y.
FRANKLIN, ELINOR.....	New York City
GILLEAUDEAU, GRACE.....	Mamaroneck, N. Y.
GLEASON, SHIRLEY.....	New York City
GLENN, IRENE LOUISE.....	New York City
GRAY, ELIZABETH PERINE.....	New York City
GREENE, GENEVIEVE VAN VLIET.....	New York City
GREENWOLD, MAY SUNEVA.....	New York City
HALE, HARRIET FLORENCE.....	New York City
HALLOCK, ANNA COBB.....	New York City
HAMBURGER, MILDRED VALENTINE.....	New York City
HARDY, EDITH FRANCES.....	New York City
HAZEL, FLORENCE LOUISE.....	White Plains, N. Y.
HELLER, ELSA MARION.....	New York City
HENDRICKS, ROWENA.....	Mount Vernon, N. Y.
HOFFMAN, PHEBE EDITH.....	New York City
ISABEL, ERNESTINE CHARLOTTE.....	New York City
JONES, ELIZABETH TOMPKINS.....	White Plains, N. Y.
JUNGHANS, BERTHA.....	New York City
KAHN, CAROLINE.....	New York City
KEENAN, IRENE DOLORES.....	New York City
KERR, MARGUERITE.....	Yonkers, N. Y.
KING, OLIVE JOSEPHINE.....	New York City
KOSS, ISABEL GLEN.....	New York City
KUTNER, MARGARET.....	New York City
LAMBERT, PAULA CLAIRE.....	New York City
LANDRU, LUCY EMILIE.....	Paterson, N. J.
LEVERIDGE, ETHEL SYLVIA.....	New York City
LONDON, IRENE ELEANOR.....	New York City
MCGRATH, JOSEPHINE.....	Livingston Manor, N. Y.
McKEE, GRACE IRENE.....	Port Washington, N. Y.
McKENZIE, ISABEL.....	East Orange, N. J.
MacDONALD, LILLIE ALMA.....	Newark, N. J.
MACKAY, JENNIE KING.....	New York City
MARTIN, ALICE CRAIGE.....	Jersey City, N. J.
MASCHMEDT, MARIE RUTH.....	New York City

MATHEWS, ELEANOR ALLISON.....	New York City
MAYER, LUGARDA SALOME.....	New York City
MESSING, MILDRED KATHERINE.....	New York City
MISCH, ALMA IDA.....	New York City
MORDECAI, LUCILE.....	New York City
MORRIS, EDITH MATILDA.....	New York City
MORRISON, ISABELLE DRUMMOND.....	New York City
MYERS, ELEANORE.....	New York City
NOBIS, AGNES.....	New York City
NYITRAY, LOUISE.....	New York City
O'CONNELL, MAJORIE ELIZABETH.....	New York City
OELLRICH, PAULA FRIEDA.....	East Orange, N. J.
O'ROURKE, MARGARET.....	White Plains, N. Y.
PHILLIPS, HELEN EUGENIA.....	New York City
POOR, PAMELA.....	New York City
RALPH, ELSIE PEARL.....	Andover, Mass.
READY, ELIZABETH PERKINS.....	Jersey City, N. J.
REES, FLORENCE DUBOIS.....	New York City
REES, VERA MARGUERITE.....	Westernville, N. Y.
REESE, CLAIRE HILDEGARDE.....	New York City
REICHERT, THADEUSE MARY.....	Huntington, N. Y.
ROGERS, FRANCES E.....	Babylon, N. Y.
ROGERS, GRACE JOSEPHINE.....	New York City
ROY, MARION SNOWDEN.....	Irrington, N. Y.
SCEVA, DONNA DOLORES.....	New York City
SCHWEIS, ETTA MAY.....	New York City
SCULLY, MAY AGNES PYNE.....	New York City
SEGEE, GLADYS RENSHAW.....	New York City
SEYMOUR, LEWIS.....	New York City
SHEHAN, MARIE.....	New York City
SHELLEY, DORIS MARGUERITE.....	New York City
SIDELL, RUTH HILLARD.....	Westfield, N. J.
SMITH, VIRGINIA.....	Babylon, N. Y.
SOLIS, ALICE WALLERSTEIN.....	Mount Vernon, N. Y.
SOUTHERTON, MARGARET.....	New York City
SPEAR, DOROTHY ALICE.....	New York City
STACK, ELIZABETH MYRES.....	Utica, N. Y.
STEGMAN, BEATRICE CLARA.....	Hoboken, N. J.
STEIN, LILLIE EMILY.....	New York City
STEVENSON, JESSIE MILLARD.....	New York City
STINE, MARY DAWSON.....	New York City
TAYLOR, MAUDE ELLA.....	New York City
THEES, CORA ROHDE.....	New York City
THOMPSON, RUBERTA.....	New York City
VALET, EDITH MOORE.....	New York City
VAN VRANKEN, FLORENCE.....	New York City
VON WAHL, CONSTANCE WILLIAM.....	New York City
WACKWITZ, LILLIAN ALICE.....	Irrington, N. Y.
WALTHER, CATHERINE MARGARETTA.....	Mount Vernon, N. Y.
WEGENER, MARY ADAMS.....	New York City
WEIL, LUCILLE.....	New York City
WILSON, ANNIE STAVELY.....	Newark, N. J.
WILSON, EMILY NEWCOMB (Mrs. E. N. Wilson).....	New York City
WISE, HELENE BENEDICT.....	New York City
WOODRUFF, JENNIE ESTELLE.....	Passaic, N. J.
WUNDERLICH, ELSA PAULINE.....	Tarrytown, N. Y.

ZIEGLER, EDNA EBERLY.....	New York City
ZIMMER, ALICE.....	New York City
ZUCKER, MARJORIE FRALEY.....	New York City

CANDIDATES FOR THE B.S. DEGREE

CAHN, PAULINE.....	New York City
COHEN, LENA.....	Bayonne, N. J.
HERSHFIELD, BLANCHE R. F.....	New York City
JUD, FRIEDA CATHARINE.....	Jersey City, N. J.
LEERBURGER, SUSAN.....	New York City
LOUGHREN, AMANDA.....	Elizabeth, N. J.
RAPELYE, EMMA LOUISE.....	Woodhaven, N. Y.
RICE, MARION.....	New York City

CANDIDATES FOR TRANSFER AT THE END OF TWO YEARS TO THE PROFESSIONAL
SCHOOLS OF THE UNIVERSITY

FANCHER, KATHARINE STORY.....	Middletown, N. Y.
REARDON, ELIZABETH.....	Yonkers, N. Y.
RICHARDSON, ELIZABETH SCARLETT.....	New York City
SINN, RENA STEPHANIE.....	New York City

Freshmen—Class of 1912.....139

SPECIAL STUDENTS, MATRICULATED

BERGER, HELEN.....	Milwaukee, Wis.
BORLAND, MADELINE.....	New York City
CALMAN, DOROTHY.....	New York City
CLOSSON, LILLIAN WADSWORTH.....	Orange, N. J.
COCHRANE, ETHEL MAY.....	Mount Vernon, N. Y.
EACHES, BERTHA.....	Hightstown, N. J.
FRAZIER, ELIZA TURNER.....	New York City
HERRESHOFF, ANNA.....	New York City
HODGE, CHARLOTTE MORSE.....	New York City
LAY, SARA EMMA.....	New York City
MORGENSTERN, ADDIE FREDERICKA.....	New York City
ROOSEVELT, CHRISTINE KEAN.....	New York City
SAMMET, FLORENCE.....	New York City
SMITH, DEAN FLORENCE.....	Savannah, Ga.
STANTON, PRISCILLA DIXON.....	Roslyn, N. Y.
STRAUS, DOROTHY.....	New York City
STRONG, SUSAN STURGIS.....	New York City
TIFFANY, LOUISE COMFORT.....	New York City
VAN ANDA, JULIA BLANCHE.....	New York City
WATSON, MARGARET WICKHAM.....	New York City
WEINER, MILDRED FELICIA.....	New York City
ZELLER, ELSIE.....	Elizabeth, N. J.

Matriculated Special Students.....22

SPECIAL STUDENTS, NON-MATRICULATED

BATTERTON, FLORENCE P.....	New York City
BRECK, EVANGELINE GARDNER.....	Portland, Ore.
BROWN, MARJORIE ADELAIDE.....	Montclair, N. J.
DOIG, JULIA MITCHELL.....	Lowville, N. Y.
ELLIOTT, KATIE FRANCES.....	Parkville, Mo.
FROOKS, ELIZABETH GERTRUDE.....	Saugerties, N. Y.

HADDEN, VALERIE[BURCKHARDT].....	New York City
HAKES, MARION.....	Ilion, N. Y.
HEIMANN, RITA.....	New York City
JENKINS, ELIZABETH BLAINE.....	Washington Court House, O.
KENDRICK, JANE.....	Amherst, Mass.
MOORE, GRACE ARNOLD.....	New York City
NICHOLS, ELIZABETH WILLIAMS.....	New York City
SCHAEFER, HELEN CHARLOTTE.....	Paterson, N. J.
STOREY, MARY DOUGLASS.....	Johnstown, Pa.
SWEENEY, LORA ROSE.....	Paterson, N. J.
TOOKER, MAUDE WENTWORTH (Mrs. W. M. Tooker).....	Larchmont Manor, N. Y.
TWEED, KATHARINE.....	New York City
Non-matriculated Special Students.....	18

SUMMARY

Seniors—Class of 1909:

Candidates for the Barnard College A.B. degree alone	66
Candidates for Barnard College A.B. degree and Teachers College diploma in education.....	3
	<u>69</u>

Juniors—Class of 1910:

Candidates for the A.B. degree.....	107
Candidates for the B.S. degree.....	1
	<u>108</u>

Sophomores—Class of 1911:

Candidates for the A.B. degree.....	113
Student in General Two-Year Course.....	1
	<u>114</u>

Freshmen—Class of 1912:

Candidates for the A.B. degree.....	127
Candidates for the B.S. degree.....	8
Students in General Two-Year Course.....	4
	<u>139</u>

Special Students:

	430
Matriculated	22
Non-matriculated	18
	<u>40</u>
University Students.....	26
Teachers College Students	165
	<u>191</u>
Grand Total	661

TEACHERS COLLEGE

TRUSTEES

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 FRANK R. CHAMBERS, *Vice-Chairman*
 NEWBOLD MORRIS, *Secretary*
 MISS GRACE H. DODGE, *Treasurer*

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WILLIAM F. BRIDGE	NICHOLAS MURRAY BUTLER, LL.D.
PETER B. OLNEY	(Cantab.), Litt.D. (Oxon.)
B. TALBOT B. HYDE	ROBERT C. OGDEN, LL.D.
JOSEPH MILBANK	WALTER H. PAGE, LL.D.
SETH LOW, LL.D.	HOWARD VAN SINDEREN
JAMES SPEYER	MRS. GEORGE W. JENKINS
ARCHER M. HUNTINGTON, L.H.D.	ARTHUR ISELIN
JAMES E. RUSSELL, LL.D.	CLARKE WILLIAMS
	JORDAN J. ROLLINS

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 CLYDE FURST, A.M.....*Secretary*
 DAVID EUGENE SMITH, Ph.D., LL.D. (Term expires 1911)... ..*Elected
Delegate to the University Council*
 RICHARD ELWOOD DODGE, A.M. (Term expires 1910)... ..*Elected Delegate
to the University Council*

The Faculty

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 JOHN FRANCIS WOODHULL, Ph.D.....*Professor of Physical Science*
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 ADOLPHE COHN, LL.B., A.M..*Professor of the Romance Languages
and Literatures*
 FRANKLIN THOMAS BAKER, A.M., Litt.D....*Professor of the English
Language and Literature*
 VIRGIL PRETTYMAN, A.M., Pd.D.....*Principal of the Horace Mann
High School*

¹ Absent on leave first half-year

RICHARD ELWOOD DODGE, A.M.....	<i>Professor of Geography</i>
JAMES EARL RUSSELL, Ph.D., LL.D..	<i>Barnard Professor of Education</i>
HELEN KINNE.....	<i>Professor of Domestic Science</i>
MARY SCHENCK WOOLMAN, B.S.....	<i>Professor of Domestic Art</i>
¹ FRANK MORTON McMURRY, Ph.D..	<i>Professor of Elementary Education</i>
PAUL MONROE, Ph.D.....	<i>Professor of the History of Education</i>
SAMUEL TRAIN DUTTON, A.M....	<i>Professor of School Administration</i>
GONZALEZ LODGE, Ph.D., LL.D.....	<i>Professor of Latin and Greek</i>
² EDWARD LEE THORNDIKE, Ph.D..	<i>Professor of Educational Psychology</i>
CHARLES HUBERT FARNSWORTH.....	<i>Adjunct Professor of Music</i>
DAVID EUGENE SMITH, Ph.D., LL.D.....	<i>Professor of Mathematics</i>
THOMAS DENISON WOOD, A.M., M.D..	<i>Professor of Physical Education</i>
FREDERICK J. E. WOODBRIDGE, A.M., LL.D..	<i>Johnsonian Professor of Philosophy</i>
JULIUS SACHS, Ph.D.....	<i>Professor of Secondary Education</i>
CLYDE FURST, A.M.....	<i>Secretary of the Faculty</i>
GEORGE L. MEYLAN, M.D....	<i>Adjunct Professor of Physical Education</i>
ELIJAH WILLIAM BAGSTER-COLLINS, A.M..	<i>Adjunct Professor of German</i>
MAURICE ALPHEUS BIGELOW, Ph.D.....	<i>Professor of Biology</i>
FREDERICK HENRY SYKES, Ph.D.....	<i>Director of Extension Teaching and Professor in Teachers College</i>
HENRY CARR PEARSON, A.B....	<i>Principal of the Horace Mann Elementary School</i>
HERMANN T. VULTÉ, Ph.D.....	<i>Adjunct Professor of Domestic Science</i>
JOHN ANGUS MACVANNEL, Ph.D.....	<i>Professor of the Philosophy of Education</i>
ARTHUR WESLEY DOW.....	<i>Professor of Fine Arts</i>
JOHN DEWEY, Ph.D., LL.D.....	<i>Professor of Philosophy</i>
HENRY CLAPP SHERMAN, Ph.D.....	<i>Professor of Organic Analysis</i>
CHARLES E. LUCKE, M.S., Ph.D..	<i>Professor of Mechanical Engineering</i>
HENRY JOHNSON, A.M.....	<i>Professor of History</i>
DAVID SAMUEL SNEDDEN, Ph.D.....	<i>Adjunct Professor of Educational Administration</i>
MARY ADELAIDE NUTTING.....	<i>Professor of Domestic Administration</i>
GEORGE D. STRAYER, Ph.D..	<i>Adjunct Professor of Elementary Education</i>
HENRY SUZZALLO, Ph.D....	<i>Adjunct Professor of Elementary Education</i>

Other Officers of Instruction

CHARLES CONRAD SLEFFEL.....	<i>Instructor in Forging</i>
CHARLES WILLIAM WEICK, B.S.....	<i>Instructor in Wood-Working</i>
MAUD MARCH.....	<i>Instructor in Physical Education</i>
WILLIAM H. NOYES, A.M.....	<i>Instructor in Manual Training</i>
NAOMI NORSWORTHY, Ph.D.....	<i>Instructor in Educational Psychology</i>

¹ Absent on leave.² Absent on leave first half-year.

WILLIAM McCASTLINE, M.D.....	<i>Instructor in Physical Education</i>
CAROLINE CRAWFORD.....	<i>Instructor in Physical Education</i>
PATTY SMITH HILL.....	<i>Instructor in Kindergarten Education</i>
KATE McMAHON.....	<i>Principal of Kindergarten</i>
CLARA BARBARA KIRCHWEY.....	<i>Instructor in Geography</i>
GRACE CORNELL.....	<i>Instructor in Fine Arts</i>
MAY BELLE VAN ARSDALE, B.S.....	<i>Instructor in Physical Science</i>
WILLIAM SKARSTROM, M.D.....	<i>Instructor in Physical Education</i>
HARRIET WILDE.....	<i>Instructor in Physical Education</i>
EDGAR FAUVER, A.B.....	<i>Instructor in Physical Education</i>
ELIZABETH SAGE.....	<i>Instructor in Domestic Art</i>
ANNA M. COOLEY, B.S.....	<i>Instructor in Domestic Art</i>
GRACE FULMER.....	<i>Instructor in Kindergarten Education</i>
JEAN BROADHURST, B.S.....	<i>Instructor in Biology</i>
ANNA BARROWS.....	<i>Instructor in Domestic Science</i>
LAMONT A. WARNER.....	<i>Instructor in Household Art</i>
CHARLES F. MARPLE.....	<i>Instructor in Fine Arts</i>
WYLLYSTINE GOODSSELL, A.M....	<i>Instructor in the History of Education</i>
¹ CLIFFORD UPTON, A.M.....	<i>Instructor in Mathematics</i>
LIDA BELLE EARHART, Ph.D....	<i>Instructor in Elementary Education</i>
ROLAND HUGH WILLIAMS, A.M.....	<i>Instructor in Physical Science</i>
ALON BEMENT.....	<i>Instructor in Fine Arts</i>
PERCIVAL R. COLE, Ph.D.....	<i>Instructor in the History of Education</i>
ROMIETT STEVENS, A.M.....	<i>Instructor in Secondary Education</i>
LEWIS HOWELL HAIGHT.....	<i>Instructor in Machine Work</i>
MARGARET MAUD ZERBE.....	<i>Instructor in Music</i>
EDWARD J. THATCHER.....	<i>Instructor in Manual Training</i>
ALETTA VAN WYCK SCHENCK.....	<i>Instructor in Domestic Art</i>
ANNA PAMELA BROOKS, B.S.....	<i>Instructor in Fine Arts</i>
WILLIAM BINGHAM, Ph.D.....	<i>Instructor in Educational Psychology</i>
HELEN LATHAM.....	<i>Instructor in Music</i>
MARGARET CALHOUN.....	<i>Instructor in Physical Education</i>
GEORGE HOLM.....	<i>Instructor in Physical Education</i>
MARY DENNIS BRIGGS.....	<i>Instructor in Manual Training</i>
AZUBAH JULIA LATHAM, B.S.....	<i>Lecturer in Music</i>
MARY THEODORA WHITLEY, A.M....	<i>Tutor in Educational Psychology</i>
LOUISE CHRISTINE SUTHERLAND.....	<i>Tutor in Kindergarten</i>
ELIZA BENTON, Ph.B.....	<i>Tutor in Domestic Science</i>
JULIA WADE ABBOTT.....	<i>Tutor in Kindergarten</i>
MARY BULL HANCKEL.....	<i>Tutor in Fine Arts</i>
ISABELLA JEWELL, B.S.....	<i>Tutor in Domestic Science</i>
CAROLINE STACKPOLE, M.A.....	<i>Tutor in Biology</i>
LAURA WHITTEMORE.....	<i>Tutor in Domestic Science</i>
BERTHA BROOMELL, M.A.....	<i>Tutor in Mathematics</i>

¹ Absent on leave.

JEANNETTE ROWLAND SEIBERT, A.M.	<i>Recorder, Department of Physical Education</i>
FLORENCE L. CORBETT	<i>Lecturer in Dietetics</i>
MATILDA GARRETSON REA	<i>Assistant in Domestic Art</i>
WILLIAM HENRY BOYNTON	<i>Assistant in Household Chemistry</i>
GRACE MARIE DASCHBACH	<i>Assistant in Music</i>
MARY WROE CURTIS	<i>Assistant in Domestic Art</i>
BLANCHE COLTON WILLIAMS, A.B.	<i>Assistant in English</i>
SADIE VANDERBILT	<i>Assistant in Domestic Science</i>

Lecturers

SUSAN E. BLOW	<i>Lecturer in Kindergarten Education</i>
ELLEN HENRIETTA RICHARDS, A.M.	<i>Lecturer in Domestic Science</i>
MARION B. B. LANGZETTEL	<i>Lecturer in Kindergarten Education</i>
CALVIN CADY	<i>Lecturer in Music</i>

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LUCETTA DANIELL,	Directress
JAMES H. CANFIELD, LL.D., Litt.D. (Oxon.),	Librarian of the University
ELIZABETH G. BALDWIN,	Librarian in Charge of Bryson Library
WILLIAM ADDISON HERVEY,	Registrar of the University
THEODORA GEORGE,	Assistant Registrar at Teachers College
ISABELLE L. PRATT,	Recorder
CYRUS H. POMEROY,	Bursar
BENJAMIN R. ANDREWS,	Secretary of Department of Household Arts
HARRIET HAWLEY,	Secretary to the Dean
JANE BERGER,	Assistant Secretary

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Horace Mann Schools

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HENRY CARR PEARSON, A.B.	<i>Principal of Elementary School</i>
KATE MCMAHON	<i>Principal of Kindergarten</i>
MARION ROOT PRATT	<i>Executive Secretary</i>
ELIZABETH IVERSON TOMS	<i>School Secretary</i>
BERTHA WARNER SEELEY	<i>Secretary to Principal of High School</i>
CORA MAY GEER	<i>Secretary to Principal of Elementary School</i>
VALERIA INEZ MERRILL	<i>Custodian of Library</i>

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ALLAN ABBOTT, A.B.	<i>English</i>
FISKE ALLEN	<i>Mathematics</i>
WILLIAM C. R. ANDERSON	<i>Mathematics</i>
KATE STUART ANTHONY	<i>Domestic Art</i>
WALTER WHIPPLE ARNOLD, A.M.	<i>Latin</i>
ARCHIBALD WATSON BAIN	<i>French</i>
CHARLES MCCOY BAKER, A.M.	<i>Latin</i>
HELEN BARTLETT BAKER, A.M.	<i>English</i>
ANNA WOODS BALLARD	<i>French</i>
SAMUEL LLOYD BARRICK	<i>Mathematics</i>
ROBERT WALDO BELCHER	<i>History</i>
MINNIE LOUISE BOLLERT	<i>English</i>
FRANK ELBERT BROOKS, A.B.	<i>French</i>
Mrs. MARIE KARCHER BROOKS	<i>French</i>
HOWARD D. BRUNDAGE	<i>Wood-working</i>
ELIZABETH RHEES BUTLER, A.B.	<i>History</i>
CALVIN BRAINERD CADY	<i>Music</i>
MARY EDWARDS CALHOUN, M.A.	<i>English</i>
JANE RAFTER CONDIT	<i>Biology</i>
ARTHUR TAPLEY FRENCH, B.S.	<i>Mathematics</i>
MARY BROWNSON GILLMORE, Ph.B.	<i>History</i>
WILLIAM HELMUTH GOHDES, A.B.	<i>German</i>
FANNIE JOSEPHINE HAEFELIN, B.S.	<i>German</i>
LEWIS HOWELL HAIGHT	<i>Machine Work</i>
EDWARD FRANKLIN HAUCH, B.A.	<i>German</i>
ALBERT A. HOGE	<i>Physical Training</i>
GEORGE THOMAS HOLM	<i>Swimming</i>

PERCY K. HOLMES.....	<i>Physical Training</i>
ALEXANDER JAMES INGLIS, A.B.....	<i>Latin</i>
CLARA BARBARA KIRCHWEY.....	<i>Geography</i>
EMMA LENORE MACALARNEY, B.S.....	<i>English</i>
JAMES HENRY MCKINLEY.....	<i>Director of Chorus</i>
JOHN DUELE NEITZ, A.B., M.E.....	<i>Special Teacher for Delinquent Pupils</i>
LILLA ANNE NOURSE.....	<i>Drawing</i>
ALBERT FRANKLIN REED, A.M.....	<i>Latin</i>
WILLIAM FOX ROANTREE, A.B.....	<i>Mathematics</i>
EDNA SKINNER.....	<i>Domestic Science</i>
EDWARD O. THORPE.....	<i>Latin and Greek</i>
¹ CLIFFORD BREWSTER UPTON, A.B.....	<i>Mathematics</i>
MAY BELLE VANARSDALE, B.S.....	<i>Chemistry and Physics</i>
CHARLES WILLIAM WEICK, B.S.....	<i>Wood-Working</i>
Mrs. ELIZABETH MARIAN WHEELOCK.....	<i>Latin</i>
¹ LAURA BRAINARD WHITTEMORE.....	<i>Domestic Science</i>
ROLAND HUGH WILLIAMS, B.S., A.M.....	<i>Chemistry and Physics</i>
CLARA MABEL WHEELER.....	<i>First Grade</i>
FLORENCE MABEL MCVEY.....	<i>First Grade</i>
EVELYN BATCHELDER.....	<i>Second Grade</i>
MILDRED IONE BATCHELDER.....	<i>Second Grade</i>
THEO R. STONE.....	<i>Third Grade</i>
MARY HAMMETT LEWIS.....	<i>Third Grade</i>
IDA ELIZABETH ROBBINS.....	<i>Fourth Grade</i>
FLORENCE MAY MARSHALL.....	<i>Fourth Grade</i>
MARY GERTRUDE PEABODY.....	<i>Fifth Grade</i>
MARGARET CONDRY.....	<i>Fifth Grade</i>
MAUD VIVIAN KEYES.....	<i>Fifth Grade</i>
CHARLES WESLEY HUNT.....	<i>Sixth Grade</i>
MARY FREDERIKA KIRCHWEY.....	<i>Sixth Grade</i>
¹ MRS. SIEGRIED HANSEN UPTON.....	<i>Sixth Grade</i>
LURA PARKER FITCH.....	<i>Sixth Grade</i>
CAROLINE WOODBRIDGE HOTCHKISS.....	<i>Seventh Grade</i>
LILLIAN EMILY ROGERS.....	<i>Seventh Grade</i>
GEORGIA FARRAND BACON, B.S.....	<i>Seventh Grade</i>
ETHELWYN MILLER, A.B., B.S.....	<i>Drawing</i>
HELEN LATHAM.....	<i>Music</i>
LUCY HESS WEISER.....	<i>Manual Training</i>
FLORENCE MARY HEALY.....	<i>Physical Training</i>
ELIZABETH CLEASBY.....	<i>Primary Grades</i>
ELSIE RIPLEY CLAPP.....	<i>Grammar Assistant</i>
ELEANOR KIDD CHAPIN.....	<i>Primary Assistant</i>
LOUISE CHRISTINE SUTHERLAND.....	<i>Kindergarten Teacher</i>
JULIA WADE ABBOTT.....	<i>Kindergarten Assistant</i>

¹ Absent on leave.

Speyer School

AMY SCHÜSSLER, B.S.	Principal
CLARA CHENEY JAMES	First Grade. Critic Teacher
ELEANOR WRIGHT	Second Grade
ROXANA A. STEELE	Third Grade
ALICE THOMPSON	Fourth Grade
CLARA R. BENNETT	Fifth Grade. Critic Teacher
ELIZABETH JOHNSON	Sixth Grade
FRANK W. BARBER	Seventh Grade
Mrs. IDA CATHERINE CARTER, L.B., A.M.	Eighth Grade. Critic Teacher
LUELLA PALMER, B.S.	Kindergarten Critic
ALICE MAY CORBIN	Assistant in Kindergarten
LAURA VALENTINE	Secretary and Assistant Librarian
NELLIE HARCOURT	Physical Education
HELEN LATHAM	Music
HOWARD D. BRUNDAGE	Manual Training
ANNA PAMELA BROOKS, A.B., B.S.	Art Critic Teacher

Neighborhood Work

ARTHUR G. THOMAS	Director
Mrs. LULIE WILES ROBBINS	Social Worker
SPENCER MORGAN DAWKINS, A.B.	Assistant
DALE JAMES DRAIN	Physical Education

GENERAL STATEMENT

Teachers College, founded in 1888, and chartered by the Regents of the University of the State of New York in 1889, became, in 1898, a part of the educational system of Columbia University. The President of Columbia University is President, *ex-officio*, of Teachers College, and the College is represented in the University Council by its Dean and a representative elected from its Faculty. The College meanwhile maintains its separate corporate organization, and its Board of Trustees continues to assume entire financial responsibility for its maintenance.

Teachers College is thus the school of Columbia University for the study of education and the training of teachers, taking academic rank with the Schools of Law, Medicine, and Applied Science. It affords opportunity for the advanced study of educational psychology, the history and philosophy of education, educational administration, and the various aspects of secondary, elementary, and kindergarten education. It also provides professional training, both theoretical and practical, for teachers of both sexes for secondary, grammar, and primary schools, and kindergartens; for special teachers of such technical subjects as domestic art, domestic science, fine arts, manual training, music, and physical education; and the preparation

of advanced students for work as principals, supervisors, and superintendents of schools; as heads of academic or educational departments in normal and teachers' training schools, and of educational departments in colleges and universities.

The following curricula are offered by the College:

1. A two-years' Professional Curriculum, leading to the degree of Bachelor of Science in Education and the Bachelor's Diploma in teaching, requiring for entrance the previous completion, at Columbia University or elsewhere, of two years of academic or technical training in advance of the usual requirements for college entrance. The work of the curriculum presents certain fundamental courses in educational psychology and the history and principles of education, a major subject of professional and academic work, in any of the twenty-four departments of the College, and a proportion of elective courses chosen at will.

2. Graduate curricula for advanced students leading to the Master's and Doctor's Diplomas in teaching and to the degrees of Master of Arts and Doctor of Philosophy with a major subject in education. Such curricula provide work in educational psychology, the history and the philosophy of education, educational administration, secondary education, elementary education, and in research in the methods of teaching the various academic and technical subjects, supplemented by courses in other parts of the University. Courses in education may also be counted as minor subjects toward the advanced degrees, by students primarily registered in some other part of the University.

The professional curriculum is so arranged that undergraduate students of Columbia College and of Barnard College, and students who are prepared to enter the junior class of either of these colleges, may, if they desire, obtain the diploma of Teachers College at the time of receiving their degree of Bachelor of Arts.

Teachers who wish to supplement previous professional training are entered into these curricula with advanced standing, or into courses grouped especially for their needs.

The Horace Mann School and the Speyer School, maintained by Teachers College as schools of observation and experiment, include kindergarten, elementary, and secondary classes and neighborhood work, and offer exceptional advantages for the study of the practical work of teaching and for the investigation of educational problems. These schools have now an attendance of some thirteen hundred pupils.

Buildings and Equipment

The buildings of Teachers College, representing an investment of approximately three million dollars, occupy the block directly north

of the University Campus, bounded by 120th and 121st Streets, Amsterdam Avenue and Broadway.

The Main Building, containing equipment for administration and instruction, the Bryson Library—the educational library of the University—and the Educational Museum, is adjoined by the Milbank Memorial Building, housing a number of academic and technical departments and containing the Memorial Chapel; and by the Macy Manual Arts Building, with its exceptional equipment for the departments of Manual Training, Domestic Art, and Fine Arts. The Frederick Ferris Thompson Memorial Building for the department of Physical Education connects the Milbank Building on the west with the building of the Horace Mann School. The Household Arts Building, now being erected, will join the Main Building on the east. East of it is Whittier Hall, the residence for the women students of the University, which is under the control of Teachers College. The building of the James Speyer School is a short distance north of the College, on Lawrence Street, near Amsterdam Avenue.

Scholarships, Prizes, and Honors

(See page 439)

REGISTER OF STUDENTS, 1908-09

Teachers College

Graduate Students

Candidates for the Doctor's Degree and Diploma

The following students are registered under the Faculty of Philosophy.

- ALEXANDER, CARTER, A.B. Missouri 1906, A.M. 1908.....Paris, Mo.
 ARAI, TSURU.....Ichinomiya Gumma, Japan
 Equivalent A.B. Japanese Woman's College 1907
 Education, Psychology, Philosophy, Sociology
 BARD, HARRY ERWIN, A.M. 1907, A.B. Wabash 1894.....New York City
 Education, Social Economy, Public Law
 BLAN, LOUIS BENJAMIN, A.M. 1908, B.S. C. C. N. Y. 1901... ..Port Richmond, N. Y.
 Education, Sociology
 * BROWN, JOHN FRANKLIN, Ph.D. Cornell 1896.....Laramie, Wyo.
 Education
 BUCKINGHAM, BURDETTE ROSS, A.B. Wesleyan 1899, A.M. 1900.....Elmhurst, L. I.
 Education, English
 BUSCH, ELLA ADELINE, A.B. Missouri 1902, A.M. 1904.....Washington, Mo.
 Education
 CARR, JOHN WESLEY, A.B. Indiana 1885, A.M. 1890.....Dayton, Ohio
 Education, Sociology
 COOK, EDMUND CURLEY.....New York City
 A.B. Dartmouth 1892, A.M. 1899, A.B. Harvard 1904
 Education, Mathematics
 COOK, HARRY MORELAND, A.B. Taylor 1902, A.M. Washington 1908..Ypsilanti, Mich.
 Education, Sociology
 DRIEHAUS, IRWIN WILLIAM, B.S. Cincinnati 1900.....Cincinnati, O.
 Education, Physics
 FITZPATRICK, EDWARD AUGUSTUS, B.S. 1906, A.M. 1907.....New York City
 Education, Psychology
 FLESHMAN, ARTHUR CARY.....Valley City Ind.
 A.M. 1903, B.S. Normal University 1884, M.S. 1892
 Education, Philosophy
 GILTNER, EMMETT E., A.M. 1907, A.B. Indiana 1904.....Oaktown, Ind.
 Education, Sociology
 GOLDWASSER, DAVID, A.B. C. C. N. Y. 1903New York City
 Education, Philosophy
 HEWINS, NELLIE PRISCILLA, A.M. 1900, B.S. Cornell 1898.....Elmhurst, N. Y.
 Education, Botany
 HILLEGAS, MILO BURDETTE, Ph.B. Rochester 1897.....New York City
 Education, Psychology

* Not a candidate for the degree.

- HIRSDANSKY, SIMON, A.M. 1906, B.S. C. C. N. Y. 1899.....New York City
Education, Psychology
- HOLLAND, ERNEST OTTO, A.B. Indiana 1895.....Bloomington, Ind.
Education, Political Science
- HOPKINS, PRINCE CHARLES, Ph.B. Yale 1906.....Santa Barbara, Cal.
Education, Psychology, Philosophy
- HUTCHINSON, JAMES HOWARD, A.B. Colgate 1905.....Rochester, N. Y.
Education, Philanthropy
- JACKSON, GEORGE LEROY, A.M. 1907, A.B. Michigan 1906.....New York City
Education, Psychology
- JAMESON, CHARLES BARING, A.M. 1905, A.B. C. C. N. Y. 1896.....New York City
Education
- KANDEL, ISAAC LEON, A.B. Manchester 1902, A.M. 1906.....Manchester, England
Education, Sociology
- KILPATRICK, WILLIAM HEARD, A.B. Mercer 1891.....White Plains, Ga.
Education, Philosophy
- KUHN, ADELINA, A.M. 1908, A.B. Vassar 1904.....New York City
Education, Sociology
- LOMER, GERHARD RICHARD, A.B. McGill 1903, A.M. 1904.....Montreal, Quebec
Education, English
- LOOMIS, HERBERT NORTON, B.S. Harvard 1901.....New Britain, Conn.
Education, Sociology
- LUCAS, WILLIAM HARDIN, A.B. Transylvania 1896.....Paris, Ky.
Education, Psychology
- McKNIGHT, JOSEPH ALDEN, A.B. Denver 1905.....Moran, Kan.
Education, Philosophy
- MEYER, HENRY HERMAN.....Maplewood, N. J.
A.B. German Wallace 1900, A.M. 1903, B.D. Drew Theological
Seminary 1903
Education, Psychology
- MILLIS, JAMES FRANKLIN, A.B. Indiana 1897, A.M. 1900.....Chicago, Ill.
Education, Mathematics
- MORELOCK, OLIVER JAMES, A.B. Franklin and Marshall 1892.....Rose, N. Y.
Education, History
- PATTERSON, SAMUEL WHITE, A.B. C. C. N. Y. 1903, A.M. N. Y. U. 1906..New York City
Education, English
- PROSSER, CHARLES ALLEN.....New Albany, Ind.
A.B. De Pauw 1897, A.M. 1907, B.L. Louisville Law School 1898
Education, Philanthropy
- RABENORT, WILLIAM LOOMIS, B.S. 1906, A.M. 1907.....New York City
Education, Philosophy
- ROBINSON, LEWIS ARCHIBALD, A.B. Illinois 1898, A.M. 1901.....Monmouth, Oregon
Education, Psychology
- ROBISON, CLARENCE HALL, A.B. Northwestern 1895, A.M. 1897.....Montclair, N. J.
Education, Zoölogy, Botany
- ROGERS, JAMES CLARKSON.....Brooklyn, N. Y.
A.B. Queen's 1894, Pd.M. N. Y. U. 1903, Pd.D. 1908
Education, Psychology
- RUSSELL, WARREN LOCKE, A.B. Harvard 1904, A.M. 1905.....New York City
Education
- SANDIFORD, PETER.....Bolton, England
B.S. Victoria University of Manchester 1904 and 1905, M.S. 1907
Education, Psychology
- SIEGEL, MORRIS ELY, A.M. 1908, B.S. C. C. N. Y. 1904.....Tottenville, N. Y.
Education

- SIES, RAYMOND WILLIAM, A.B. Iowa 1907, A.M. 1908 Cedar Rapids, Ia.
Education, Sociology
- SNYDER, EDWIN REAGAN, A.B. Leland Stanford, Jr. 1905 San José, Cal.
Education, Sociology
- TUCKER, LOUISE EMERY, A.B. Adelphi 1900, A.M. 1901 Brooklyn, N. Y.
Education, Philosophy
- VAN AKEN, ELBERT WAYLAND Winnebago, Minn.
 A.B. Hillsdale 1899, B.D. 1901, B.D. Union Theological Seminary 1903
Education, Sociology
- WELLS, GUY FRED, A.B. 1907, A.M. 1908 Oakfield, Wis.
Education, Philosophy, History

Candidates for Master's Degree and Diploma

The following students are registered also under the Faculty of Philosophy:

- ABBOTT, ALDEN HAROLD, B.S. 1908 North Attleboro, Mass.
Education, Social Science
- ANDREWS, JOSEPHINE ADAIR, A.B. Cornell 1905 South Bend, Ind.
Education
- ARNOLD, FREDERICK C., B.S. C. C. N. Y. 1905 New York City
Education, Physical Science
- AUGSBURY, EARL STONE, A.B. Hamilton 1901 New York City
Education, Mathematics
- AYRES, LEONARD PORTER, Ph.B. Boston 1902 Newton Highlands, Mass.
Education, Philanthropy
- BAER, ASCHER, B.S. N. Y. U. 1906 New York City
Education
- BACHELOR, CHARLES BRONK, A.B. 1906 Plainfield, N. J.
Education
- BATES, FRANKLIN WESTINGHOUSE, A.B. Williams 1907 Williamstown, Mass.
Education, History
- BLOOM, ISIDORE, A.B. 1905 Toronto, Canada
Education, German
- BLUHM, JULIUS, A.B. C. C. N. Y. 1899, Pd.M. N. Y. U. 1908 New York City
Education, English
- BLUMENSTOCK, JACOB, A.B. Brooklyn Polytechnic Institute 1907 Brooklyn, N. Y.
Education
- BONNLANDER, VINCENT CHARLES, A.B. 1908 Brooklyn, N. Y.
Education, History
- BROOKMAN, THIRMUTHIS AMY, A.B. California 1899 Los Angeles, Cal.
Education, Mathematics
- BRYANT, HELEN WINIFRED, A.B. Smith 1902 Brooklyn, N. Y.
Education, English
- BURNET, AGNES A., A.B. Kansas 1902 Anthony, Kan.
Education, German, Latin
- CALVIN, MARGARET JEAN, Ph.B. Hiram 1897, Ph.B. Chicago 1900 Transfer, Pa.
Education, English
- CAMPBELL, MARY ALICE, A.B. Smith 1905 Jersey City, N. J.
Education, Sociology
- CARRIS, LEWIS HERBERT, B.L. Hobart 1898 Newark, N. J.
Education, English
- CASEY, MARY AGNES, A.B. 1908 New York City
Education, Sociology
- CLEWE, JOHANN FRIEDRICH ERDMANN, B.S. California 1902 Sonoma, Cal.
Education, Philosophy

- COHEN, HYMAN, A.B. 1908.....New York City
Education, French
- COLEMAN, JOHN GARTH, Ph.B. Hobart 1901.....Hoboken, N. J.
Education
- CONSALUS, MRS. FRANCES HAMILTON, B.S. 1908.....Greenwich, N. Y.
Education
- CROOKER, FREDERICK FOSTER, B.S. C. C. N. Y. 1898.....White Plains, N. Y.
Education
- DAVENPORT, FRANCES ISABEL, B.S. 1905.....Cortland, N. Y.
Education, Philosophy
- DRURY, LUTHER EDWARDS, A.B. Western College 1905.....Dayton, Ohio
Education, Philosophy, History
- EDGAR, LOUISE, A.B. Smith 1908.....Brooklyn, N. Y.
Education, Mathematics
- EISENMANN, MAX J., A.B. C. C. N. Y. 1902.....New York City
Education, History
- EVERSON, ANNA EMMA, B.S. 1908.....New York City
Education, Botany, Zoology
- FITZPATRICK, JOHN STEPHEN, A.B. Brooklyn Polytechnic 1908.....Brooklyn, N. Y.
Education
- GARTLAN, EUGENE BERNARD.....New York City
B.S. C. C. N. Y. 1898, LL.B. N. Y. U. 1900
Education
- GIENGER, WATSON, A.B. Dickinson 1907.....Hopewell, N. J.
Education
- GLANTON, LOUISE PHILLIPS, B.S. 1905.....Newnan, Ga.
Education, Social Economy, Sociology
- GOLDBERGER, HENRY HAROLD.....New York City
B.S. C. C. N. Y. 1898, LL.B. N. Y. U. 1900
Education
- GOODIER, FLOYD TOMPKINS, A.B. Colgate 1903.....Hamilton, N. Y.
Education, Public Law
- GOODRICH, MOSES FOSTER, B.S. Worcester Polytechnic 1893.....New York City
Education
- GORDON, CLARENCE, A.B. Harvard 1908.....Philadelphia
Education, Philosophy
- HARRINGTON, GRACE AILEEN, B.S. 1906.....Detroit, Mich.
Education, Psychology
- HATCHER, MATILN, A.B. Wesleyan Macon, Ga., 1884.....Macon, Ga.
Education, Latin
- HELLER, WILLIAM ISIDORE, A.B. C. C. N. Y. 1904.....New York City
Education, French
- HESS, ABRAM METZLER, Ph. B. Dickinson 1908.....Shiremanstown, Pa.
Education, Philosophy, Sociology
- HOFFMAN, MARK, B.S. C. C. N. Y. 1897.....New York City
Education
- HOYT, FRANCES, A.B. Carleton 1897.....Alexandria, Minn.
Education
- HUGHES, CLARA LOUISE, Ph.B. and Pd.B. Hillsdale 1897.....Hillsdale, Mich.
Education, Mathematics
- HUMPHREY, EDWARD F., A.B. Minnesota 1903.....Winnebago, Minn.
Education, History
- JENNER, WILLIAM A., A.B. Syracuse 1890.....New York City
Education, Latin

- JOHNSON, EVELYN PRESTON, A.B. Carleton 1899.....Albert Lea, Minn.
Education, Latin
- JOHNSON, LESLIE ABNER, B.S. St. Lawrence 1896.....Brooklyn, N. Y.
Education, Physical Science
- KELLER, FRANKLIN JEFFERSON, B.S. C. C. N. Y. 1906.....New York City
Education, English
- KOREY, ABRAHAM J., B.S. N. Y. U. 1906.....Brooklyn, N. Y.
Education
- LASHER, WILLIAM REUBEN, Ph.B. St. Lawrence 1899.....Brooklyn, N. Y.
Education
- LAUDERBURN, FREDERIC CURTISS, A.B. Lehigh 1891.....New York City
Education, Philosophy
- LEBOWICH, LEO, A.B. C. C. N. Y. 1904.....New York City
Education, English
- LEOPOLD, ISRAEL, A.B. C. C. N. Y. 1903.....New York City
Education
- LEUCHS, MAXIMILIAN JOHN CHRISTIAN, A.B. C. C. N. Y. 1903.....New York City
Education
- LEVONIAN, LEON JOHN K., B.S. 1908.....Aintab, Turkey
Education, Zoölogy
- LIGGETT, WOODFORD McKALLIP, Ph.B. Wooster 1906.....Uhrichsville, O.
Education, English
- LOCKEY, JOSEPH BYRNE, B.S. Peabody 1902.....Pensacola, Fla.
Education, Social Economy
- LOOMIS, ALICE MARIE, B.S. Kansas Agricultural 1904.....Peru, Neb.
Education, Domestic Science, Chemistry
- LUDWIG, AUGUSTUS, B.S. 1907.....Brooklyn, N. Y.
Education
- MCGRATH, WILLIAM JOSEPH, A.B. C. C. N. Y. 1905.....New York City
Education, English
- MERRIMAN, CURTIS, A.B. Indiana 1902.....Warren, Ind.
Education, Philosophy
- MEYER, FLORENCE ALMA, A.B. 1905.....Yonkers, N. Y.
Education
- MILLER, WILLIAM AUGUSTINE, B.S. 1908, Pd.M. N. Y. U. 1892.....Matawan, N. J.
Education, History
- MODELL, DAVID, A. B.S. 1908.....New York City
Education, History, Ethics
- MORAN, KATHERINE MAURICE, Ph.B. Chicago 1905.....St. Mary's of the Woods, Ind.
Education, Psychology, Sociology
- MOSENTHAL, WALTER JOSEPH, A.B. 1901.....New York City
Education, Psychology
- MOSES, ARMIDA, A.B. Winthrop 1903.....Sumter, S. C.
Education, History
- MOSES, JOSEPH, B.S. Cincinnati 1894.....New York City
Education, German, English
- MURTAGH, PETER CHARLES, B.S. C. C. N. Y. 1906.....Peekskill, N. Y.
Education, English
- NELSON, EDWIN JUSTIN, A.B. Western Maryland 1897.....Clifton, N. J.
Education, English
- NICHOLSON, JANE HERBERT, B.S. 1908.....Brooklyn, N. Y.
Education, Philosophy
- NOSKA, ELLIOT VALENTINE, B.S. C. C. N. Y. 1906.....New York City
Education

- OLIVER, JOSEPH WARREN, B.S. 1906.....Nanticoke, Pa.
Education, Social Economy
- OLSON, BLENDIA, A.B. Illinois 1905.....Urbana, Ill.
Education, German, English
- OPPER, SOPHIA BURR, A.B. Smith 1908.....New York City
Education, Comparative Literature, English
- OSBORNE, ALGERNON ASHBURNER, A.B. Harvard 1905.....Newark, N. J.
Education, Sociology
- PANDYA, THAKORLAL RANCHHODLAL, B.S. Baroda College 1905.....Baroda, India
Education, Botany
- PHIPPS, CHARLES FRANK, B.S. Wesleyan 1906.....Brooklyn, N. Y.
Education
- RANDOLPH, FREDERIC COZZENS FITZ, A.B. 1907.....New York City
Education
- REBACK, HERMAN, B.S. C. C. N. Y. 1906.....New York City
Education
- REININGER, WINIFRED BERTHA, B.S. 1907.....New York City
Education, Sociology
- RIPPERE, ROBERT HENRY, A.B. Wesleyan 1905.....Brooklyn, N. Y.
Education
- ROBINSON, GERTRUDE M., A.B. St. Lawrence 1901.....Nunda, N. Y.
Education, Latin, English
- SAUNDERS, MRS. JESSIE CASSIDY, B.S. Cornell 1886.....New York City
Education
- SCOTT, SARAH RANNEY, A.B. Vassar 1907.....New Brunswick, N. J.
Education
- SEYMOUR, BINA, A.B. Vassar 1908.....Springfield, Mass.
Education
- SHARLITT, MICHAEL, A.B. C. C. N. Y. 1903.....New York City
Education, English
- SILVERMAN, SAMUEL, B.S. C. C. N. Y. 1898.....New York City
Education
- SIMMONDS, LIONEL J., A.B. C. C. N. Y. 1903.....New York City
Education
- SIMMONS, MARY PILKINGTON, B.S. 1907.....Yonkers, N. Y.
Education, Philosophy, Social Economy
- SIMONS, FRANK DEWITT, Pd.M. N. Y. U. 1903, B.S. 1905.....West Orange, N. J.
Education
- SINGER, WILLY VICTOR, A.B. Franklin and Marshall 1903.....Dover, N. J.
Education, English
- SINGH, TEJA.....Amritsar, Punjab, India
A.B. Lahore India Government College 1898,
A.M. 1900, LL.B. Lahore India Law College 1901
Education, Geology
- SMITH, EMMA PETERS, A.B. Woman's College 1904.....Baltimore, Md.
Education, History
- SMITH, GILBERT HARMER, A.B. Trinity College, N. C., 1904.....Newton, N. C.
Education, Mathematics
- SMITH, JAMES FYFFE, A.B. C. C. N. Y. 1902.....Brooklyn, N. Y.
Education, Psychology
- STEINBRENNER, ELIZABETH LOUISE, B.S. 1908.....Lowville, N. Y.
Education, English, German
- STEWART, BERTHA, A. B. Antioch 1897.....Yellow Springs, O.
Education, Latin
- STONE, LULU MABEL, Ph.B. Cornell 1895.....Brooklyn, N. Y.
Education, English

SURDAM, GRACE LOUISE, A.B. Woman's College 1907.....	Waverly, N. Y.
<i>Education, Latin</i>	
TAYLOR, VIRGINIA, A.B. 1906.....	South Orange, N. J.
<i>Education</i>	
TEWKSBUURY, EVERETT BELKNAP, A.B. Harvard 1899.....	New York City
<i>Education, Music</i>	
THORNE, JOHN TULLY, A.B. Dartmouth 1897.....	Brooklyn, N. Y.
<i>Education</i>	
TOAZ, ROBERT KENNEDY, A.B. Rochester 1893.....	Huntington, N. Y.
<i>Education</i>	
TUCKER, MARGARET, A.B. Vassar 1905.....	Newton, Mass.
<i>Education, Zoology</i>	
VOSS, EDNA RENARD, B.S. 1908.....	Washington, D. C.
<i>Education, Mathematics</i>	
WAGG, FRANK PERLEY, A.B. Bates 1901.....	Lewiston, Me.
<i>Education, Psychology</i>	
WAYT, WILLIAM HENRY, A.B. West Virginia 1907.....	New Martinsville, W. Va.
<i>Education, Philosophy, Sociology</i>	
WEINSTEIN, JOSEPH, B.S. C. C. N. Y. 1906.....	New York City
<i>Education</i>	
WHEAT, FRANK MERRILL, B.L. Highland 1907, B.S. Kentucky 1908....	Brooklyn, N. Y.
<i>Education, Sociology</i>	
WICKS, HELEN DAVIS, A.B. Smith 1908.....	Huntington, N. Y.
<i>Education, History</i>	
WILCOX, WINIFRED, B. S. 1908.....	New York City
<i>Education</i>	
WILEY, FRANK LESLIE, A.B. and B.S. Missouri 1905.....	Ridgeway, Mo.
<i>Education, Psychology</i>	
WILLIAMS, SIMON HORACE, Ph.B. Chicago 1904, A.M. Colorado 1908....	Illioipolis, Ill.
<i>Education</i>	
WILLSON, ALBERT CLARK, B.S. 1908.....	Greenwich, Conn.
<i>Education, English</i>	
WILSON, SELINA PENDLETON, A.B. Woman's College 1904.....	Silver Spring, Md.
<i>Education, German</i>	
WOLFS, MARIE LÉONIE, A.B. Smith 1908.....	Newark, N. J.
<i>Education, History</i>	
WOOD, JAMES M., JR., A.B. 1908.....	Brooklyn, N. Y.
<i>Education, Mathematics</i>	
WOODFIELD, ARTHUR GRANDON, A.B. Western Maryland 1897.....	Elizabeth, N. J.
<i>Education</i>	
WOODMAN, SOPHIE PARSONS, A.B. 1907.....	New York City
<i>Education</i>	

Professional Students Candidates for the Bachelor's Degree and Diploma Seniors

ABELL, JULIA LORANA (<i>English</i>).....	Oneonta, N. Y.
ADAMS, CORA MAY (<i>Music</i>).....	Grand Forks, N. D.
A. B. North Dakota, 1897	
ATWOOD, ALICE PENFIELD (<i>Domestic Science</i>).....	Philadelphia, Pa.
BAGLEY, JESSICA (<i>Manual Training</i>).....	New York City
BALCH, FLORA EMMA (<i>Mathematics</i>).....	Lerna, Ill.
BALCH, HELEN (<i>Fine Arts</i>).....	Lerna, Ill.
BALDWIN, BERTHA NELLIE (<i>Domestic Science</i>).....	Morgan Park, Ill.
BARBER, HARRIET LOUISA (<i>Elementary Supervision</i>).....	Lincoln, Neb.
BARNES, LOUISE MARIE WADE (<i>History</i>).....	Scranton, Pa.

- BARR, LOIS E. (*Mathematics*).....Holdrege, Neb.
 BENSON, LELAND WARD (*Mathematics*).....Port Jefferson, N. Y.
 BERNKOPF, ANNA ELISE (*German*).....New York City
 BIDSTRUP, ELSA (*Physical Education*).....Gaylordsville, Conn.
 BREWER, MRS. MARGARET DRYDEN (*Fine Arts*).....New York City
 BRIGGS, BERTHA IMOGENE, (*English*).....Dartmouth, Mass.
 BROWN, BERTHA ELIZABETH (*Manual Training*).....Byron, N. Y.
 BURNETT, MARTHA (*Elementary Supervision*).....Crystal Lake, N. J.
 BURNHAM, MABEL TOWNE (*English*).....Essex, Mass.
 BUTLER, MYRA HIBBARD (*Domestic Art*).....Woodsville, N. H.
 Ph.B. Brown 1899
 CAUBLE, LAURA ANNIS (*Domestic Science*).....New York City
 B.S. 1907
 **CHENEY, GEORGE WALKLEY.....Yonkers, N. Y.
 **CLARK, ANNA MANSFIELD.....Salisbury, Conn.
 CLARK, LORA MINNIE (*German*).....Cohoes, N. Y.
 COE, AMY BELLE (*Elementary Teaching*).....Madison, Conn.
 A. B. Mt. Holyoke 1905
 COHN, EMMA (*History*).....New York City
 CORBETT, JOSEPH S. (*Mathematics*).....New York City
 COYNE, MARY AGNES (*Domestic Science*).....Yonkers, N. Y.
 CRANE, ELLA E. (*History*).....Canandaigua, N.Y.
 CREIGHTON, ELIZABETH (*Manual Training*).....Toledo, O.
 CRONAN, FRANCES J. (*Elementary Teaching*).....New York City
 CROOKS, NELLIE (*Domestic Art and Domestic Science*).....New York City
 DEEVEY, EDWARD S. (*Elementary Supervision*).....Albany, N. Y.
 DEMENT, LUCIA WILLIAMS (*Fine Arts*).....Chicago, Ill.
 DENISON, ISABEL NOYES (*History*).....Groton, Conn.
 DENTON, EMMA (*Domestic Science*).....St. Louis, Mo.
 DEWITT, SAMUEL RODMAN (*Elementary Supervision*).....New York City
 DOBBS, ELLA VICTORIA (*Manual Training*).....Pasadena, Cal.
 DONALDSON, JEAN WATT (*Domestic Science*).....McGregor, Iowa
 **DONNELLY, ISABEL GENEVIEVE.....New York City
 DONOHUE, JAMES HENRY, JR. (*English*).....New York City
 DUNBAR, ANNA AUGUSTA (*Elementary Supervision*).....Beech Island, S. C.
 DUNBAR, MARJORY (*Domestic Science*).....Dobbs Ferry-on-Hudson, N. Y.
 **EARL, ANITA MILLS.....New York City
 EDENS, OLIVE LORENDA (*English*).....Bellingham, Wash.
 ENK, FLORENCE FRANCES (*Latin*).....Somerville, N. J.
 **EZEKIELS, JEANNETTE.....Butte, Mon.
 FINK, ALBERT (*Biology*).....New York City
 FITZHUGH, MRS. MARGARET (*English, History*).....New York City
 FRANCIS, CAROLYN LOUISE (*Mathematics*).....Honeoye Falls, N. Y.
 FRASER, JEAN MARTIN (*English*).....Lakewood, N. J.
 FURST, MRS. MARY LOUISE (*Domestic Science*).....Yonkers, N. Y.
 A.B. Woman's College, 1896
 GADDIS, CAROLYN JOSEPHINE (*Elementary Teaching*).....New York City
 GARRISON, CHARLOTTE GANO (*Kindergarten Supervision*).....Cincinnati, O.
 GAY, DELEGRAZIA BARBARA (*Domestic Science*).....Madison, Wis.
 A.B. Wisconsin, 1908
 GENIN, MARY JANE (*Mathematics*).....Atlantic Highlands, N. J.
 GERRITSON, MAUDE BRACKETT (*History*).....Waltham, Mass.
 GIANELLA, GIRELDA (*French*).....Brooklyn, N. Y.
 || GRAY, JAMES EAKINS (*Mathematics*).....Brooklyn, N. Y.
 GREGG, RACHEL ELIZABETH (*Primary Supervision*).....Citra, Fla.

|| Candidate for the A.B. degree.

** Degree only.

MINAHAN, MRS. MARY ELIZABETH (<i>Domestic Science</i>)	Calumetville, Wis.
MORIARTY, MARY LILLIAN (<i>English</i>)	Yonkers, N. Y.
MURCHIE, MAUDE IRENE (<i>Domestic Science</i>)	Nevada City, Calif.
NASSAU, MARY FOSTER (<i>Physical Education</i>)	Trenton, N. J.
NEER, MARY LOUISA (<i>Elementary Supervision</i>)	Park Ridge, N. J.
OLDHAM, MAUD (<i>English</i>)	Salem, Mass.
OUTTERSON, BESSIE ELLEN (<i>English</i>)	East Stroudsburg Pa.
OUTTERSON, ROY HUGH (<i>Elementary Supervision</i>)	Caledonia, N. Y.
PENDLETON, CONSTANCE (<i>Fine Arts</i>)	Bryn Athyn, Pa.
PERHAM, BERTHA ELLEN (<i>Domestic Science</i>)	Lestershire, N. Y.
PETERS, GERTRUDE ELIZABETH (<i>Domestic Science</i>)	Springport, Mich.
B.S. Michigan Agricultural 1906	
PETTEE, SARAH ELIZABETH (<i>Domestic Science</i>)	Durham, N. H.
B.S. New Hampshire 1908	
PICKETT, WILLIAM JACKSON (<i>Mathematics</i>)	New York City
POWELL, INEZ (<i>Domestic Science</i>)	Salt Lake City, Utah
B.S. Utah Agricultural 1907	
PROCKNOW, CHARLOTTE SOPHIA (<i>History</i>)	Meriden, Conn.
PUORRO, MICHAEL (<i>Biology</i>)	Brooklyn, N. Y.
REESOR, MARY (<i>Physical Education</i>)	Washington, D. C.
REGAN, MICHAEL FRANCIS (<i>Physical Science</i>)	Stockholm, N. Y.
REID, MARY JANE (<i>Domestic Science</i>)	Toccoa, Ga.
RICE, EDITH GRACE (<i>Elementary Supervision</i>)	Baltimore, Md.
RICHARDS, ELIZABETH MAY (<i>History</i>)	Nevada City, Calif.
ROGERS, JULIET OAKES (<i>Domestic Science</i>)	Carthage, N. Y.
SABOURIN, MARY LILLIAN (<i>Fine Arts</i>)	Arlington, N. J.
SARAUW, CHRISTINE ELISE (<i>French</i>)	New York City
* SCHENCK, ELLA LOUISE (<i>Domestic Science</i>)	Omaha, Neb.
A.B. Smith 1904	
SCHMIDT, MARIE LUCILE (<i>German</i>)	Avoca, Ia.
SEAGER, ANNA LUELLA (<i>Primary Supervision</i>)	Brockport, N. Y.
SHAW, CAROLINE NOBLE (<i>Domestic Science</i>)	Oberlin, Ohio
SHAW, RUTH CORNELIA (<i>Geography</i>)	Honolulu, T. H.
SHERWOOD, WINIFRED (<i>Kindergarten</i>)	Iowa City, Ia.
SHOENAKER, ISABEL OLIVE (<i>English</i>)	St. Cloud, Minn.
SIMPIN, SIMON (<i>Nature Study</i>)	New York City
SINSABAUGH, MARY MOULD (<i>English</i>)	Montgomery, N. Y.
SLAYMAKER, REBECCA JANE (<i>English</i>)	Lancaster, Pa.
SMITH, FRANCES YANCEY (<i>English</i>)	Charlotte C. H., Va.
SMITH, SEYMOUR LOUIS (<i>Manual Training</i>)	Whitewater, Wis.
STAMM, CAROLINE LOUISE (<i>German</i>)	Mount Vernon, N. Y.
STANLEY, ANNE ABERNETHY (<i>Elementary Supervision</i>)	Perth, Ontario
STARR, MRS. ELEANOR PARKER (<i>English</i>)	Cambridge, Mass.
STEELE, ELLEN (<i>Mathematics</i>)	Portland, Conn.
STEPHENS, ISABEL MARY (<i>Physical Education</i>)	Atlanta, Ga.
STILES, BERTHA CRANE (<i>Primary Supervision</i>)	Cedar Falls, Ia.
STOWELL, WILLARD ALLEN (<i>Biology</i>)	Trenton, N. J.
STRINGFELLOW, ETHEL GREY (<i>Primary Teaching</i>)	Tuscaloosa, Ala.
SUFFERN, ARTHUR ELLIOTT (<i>History</i>)	Corning, N. Y.
SUNDERLAND, BELLE (<i>Domestic Science</i>)	Cleveland, Ohio
TAGGART, LEON DEWITT (<i>Mathematics</i>)	Lake Delaware, N. Y.
THORNE, FRED (<i>Manual Training</i>)	New York City
TUCHTON, ISABELLE BAIRD (<i>History</i>)	Wilmington, Del.
VINSON, BYRD (<i>Primary Teaching</i>)	New York City
WAITE, MARY GLOYD (<i>Kindergarten Supervision</i>)	New York City

* Diploma only.

WEBSTER, SARAH EMELINE (<i>Manual Training</i>).....	New York City
WEST, CLAUDE LORRAINE (<i>Elementary</i>).....	Newark, N. J.
||WESTAWAY, LOIS BESSIE (<i>History</i>).....	Brooklyn, N. Y.
WHITE, WALTER CHARLES LEWIS (<i>Fine Arts</i>).....	Brooklyn, N. Y.
WILEY, WILLIAM HENRY (<i>Physical Science</i>).....	Tarrytown, N. Y.
WILLIAMSON, N. ELENA (<i>Kindergarten</i>).....	Muses Bottom, W. V.
WILSON, JOHN REID (<i>Elementary Supervision</i>).....	Paterson, N. J.
WILSON, SARAH MOORE (<i>Domestic Science</i>).....	Wyncote, Pa.
WILSON, WILLIAM HENRY (<i>Elementary Supervision</i>).....	Paterson, N. J.
WINCHELL, CORA MARGUERITE (<i>Domestic Art and Science</i>).....	Mount Vernon, N. Y.
WINCHELL, FLORENCE ELLA (<i>Domestic Art</i>).....	Mount Vernon, N. Y.
WISEMAN, J. SCOTT (<i>Manual Training</i>).....	Oakhurst, N. J.
* WRIGHT, CARILE HANFORD (<i>Domestic Science</i>).....	New York City
A.B. Vassar 1907	
WYLLIE, ELIZABETH RACHEL (<i>Elementary Supervision</i>).....	Saginaw, Mich.
ZOBEL, AMELIA RUNGE (<i>German</i>).....	New York City

Juniors

ALEXANDER, REBECCA (<i>English</i>).....	New York City
** ALLAN, AGNES CECILIA.....	New York City
ALLEN, ETHEL BUEL (<i>History</i>).....	Geneva, N.Y.
ANDERSON, HELEN BEATRICE (<i>Fine Arts</i>).....	New York City
A.B. 1905	
ANGELL, MERTON ALMON (<i>Elementary</i>).....	New York City
AOI, MICHU (<i>Domestic Art</i>).....	New York City
Equivalent A.B. Woman's College, Japan	
ARMSTRONG, LAURA JULIA (<i>Domestic Art</i>).....	New York City
A.B. 1908	
AVERY, HARRIET (<i>Physical Education</i>).....	Niagara Falls, N. Y.
BAKER, ESTELLA EMELINE (<i>Manual Training</i>).....	Ypsilanti, Mich.
BALDERSTON, LYDIA RAY (<i>Domestic Science</i>).....	Philadelphia, Pa.
BALDWIN, EDWIN FRANKLIN (<i>History</i>).....	Hastings-on-Hudson, N. Y.
BARISH, SAUL (<i>German, English</i>).....	New York City
BARTLETT, ALANETTE (<i>History</i>).....	Burlington, Vt.
BASHFORD, HENRIETTA (<i>German</i>).....	Yonkers, N. Y.
BASSEL, MAUDE (<i>Elementary Teaching</i>).....	Lost Creek, W. Va.
BATT, RAYMOND MICHAEL (<i>Manual Training</i>).....	Tonawanda, N. Y.
BEECHER, HADASSAH CANDEE (<i>Domestic Science</i>).....	Redlands, Cal.
BEERS, ELLEN AMELIA (<i>Domestic Science</i>).....	Jamaica, N. Y.
BELL, JESSIE NEWCOMB (<i>Fine Arts</i>).....	Santa Barbara, Cal.
A.B. Leland Stanford, Jr., 1904	
BELL, SARAH ELLEN (<i>English</i>).....	Wallpack Centre, N. J.
BELLINGER, CENTENNIA CELIA (<i>Elementary</i>).....	Bryn Athyn, Pa.
BENEDICT, M. ELIZABETH (<i>Elementary</i>).....	Plainfield, N. J.
BENITEZ, FRANCISCO (<i>Elementary</i>).....	Pagsanyan, Philippine Is.
** BENNETT, ADELAIDE FRANCES.....	New York City
BENNETT, HELEN PIERCE (<i>Elementary Supervision</i>).....	New York City
BLAIR, ANNIE (<i>History</i>).....	Emporia, Kan.
BLODGETT, ELIZABETH (<i>English</i>).....	New York City
BLUMENTHAL, IDA (<i>Domestic Art</i>).....	New York City
BONNARD, ANNETTE YOUNG (<i>History</i>).....	Passaic, N. J.
BONNARD, ELIZABETH (<i>English</i>).....	Passaic, N. J.
BRASHER, MABEL (<i>Primary Supervision</i>).....	Alexandria, La.
BRETT, ANNA (<i>English</i>).....	Albany, N. Y.

|| Candidate for the A.B. degree.

* Diploma only.

** Degree only.

BRETT, EDITH MARILLA (<i>English</i>)	Albany, N. Y.
BULLIS, JEANNETTE (<i>Domestic Art</i>)	Burlington, Vt.
BURCH, EFFIE TOWER (<i>Fine Arts</i>)	Minneapolis, Minn.
BUSECK, LENA (<i>German, French</i>)	Passaic, N. J.
CAMPBELL, BESSIE (<i>Secondary Teaching</i>)	New York City
CAPLOW, SAMUEL NATHANIEL (<i>English</i>)	New York City
CARLSON, HAZEL LOUISE (<i>Domestic Art</i>)	St. Johns, Ore.
CHAPMAN, MAY MARGARET (<i>History</i>)	Garrettsville, O.
CHATFIELD, GEORGE HERBERT (<i>Elementary Supervision</i>)	New York City
CHATFIELD, WILLIAM ANDREW (<i>Fine Arts</i>)	New York City
**CHRISMAN, M. BERTHA	Harrisburg, Pa.
CHRISTIANSON, ADDIE OLIVE (<i>English</i>)	New York City
CLEMENTS, LAURA ELIZA (<i>Mathematics</i>)	Liberty, N. Y.
COBLE, JENNIE ADDESSA (<i>Domestic Art</i>)	Franklin, Ind.
COLEMAN, IDA LOUISE (<i>Mathematics</i>)	New York City
CONWAY, MARY M. (<i>Elementary</i>)	Tompkinsville, S. I.
COOK, FRIEDA HERMINA (<i>History</i>)	Brooklyn, N. Y.
COOKINGHAM, BERTHA (<i>Primary Supervision</i>)	Red Hook, N. Y.
COSTIGAN, GRACE MARIE (<i>English</i>)	New York City
DAVIDSON, MARY ELIZABETH SPENCE (<i>Biology</i>)	Weehawken, N. J.
DAVIS, HELEN LEE (<i>Domestic Art</i>)	Moultenborough, N. H.
A.B. Vassar 1899	
DECKER, ANNA S. (<i>German</i>)	Lowville, N. Y.
DECKER, MARY E. (<i>Manual Training</i>)	Rockaway, N. J.
DEUTSCH, JULIA (<i>History</i>)	New York City
DINGMAN, MARY AGNES (<i>History</i>)	Spring Valley, N. Y.
DIÑOSO, SILVERIO RIVERA (<i>Primary Supervision</i>)	Botolan, Philippine Is.
DOHERTY, MARY (<i>Elementary</i>)	Ovid, N. Y.
DRIGGS, HELEN ELIZABETH (<i>Music</i>)	New York City
DU BOIS, SOLOMON ELTING (<i>English</i>)	New York City
DWORSKY, STELLA R. (<i>Kindergarten</i>)	New York City
FARRELL, CHARLOTTE DALY (<i>English</i>)	Rahway, N. J.
FINK, MRS. ETTA HART (<i>Domestic Science</i>)	Brooklyn, N. Y.
B.L. Ohio Wesleyan 1892	
FLEISCHMAN, MARION ROSETTA (<i>English, History</i>)	Albany, N. Y.
FLICKINGER, MARIAN L. (<i>Domestic Science</i>)	Newport, Pa.
FORSSELL, ALVA ELVIRA (<i>Mathematics</i>)	West New Brighton, S. I.
FRIEDBERG, EVADNA (<i>Biology</i>)	New York City
GAMBIER, LOUISE MARIE (<i>French</i>)	New York City
GARLICK, EDITH SHAW (<i>Geography</i>)	Paterson, N. J.
GLÜCK, EDITH HORTENSE (<i>German</i>)	New York City
GOLL, BERTHA CLEMENCE (<i>English</i>)	Brooklyn, N. Y.
GOODYEAR, BERTHA DELPHINE (<i>Elementary</i>)	De Kalb, Ill.
GOROWITZ, BERTHA (<i>History</i>)	Brooklyn, N. Y.
GOSS, HELEN (<i>Elementary Supervision</i>)	Los Angeles, Cal.
**GREENE, ETHEL A. VAN VLIET	New York City
HAIGH, EMMA MUENCH (<i>German</i>)	Camden, N. J.
HALLOCK, ESTELLE MARCY (<i>English</i>)	Tunkhannock, Pa.
HAMEL, GEORGIANA (<i>Geography</i>)	Newark, N. J.
HANNA, AGNES KEITH (<i>Hospital Economics</i>)	St. Louis, Mo.
HANSEN, MARY ELIZABETH (<i>German</i>)	Perth Amboy, N. J.
HANSON, DAISY EVELYN (<i>Physical Science</i>)	New York City
HATCH, HATTIE ESTELLE (<i>Elementary</i>)	Lisle, Ill.
HAVILAND, JOSEPHINE CRANE (<i>Elementary</i>)	Elizabeth, N. J.

** Degree only.

- HERRMANN, HATTIE (*Mathematics*).....New York City
 HEWSON, MARIE A. (*English*).....Dundee, N. Y.
 HITCHINGS, GRACE LILLIAN (*Fine Arts*).....Portland, Me.
 HOBBS, MABEL LUCILE (*German*).....West Ossipee, N. H.
 HOFFMAN, HARRIET E. (*Grammar Grades*).....Deposit, N. Y.
 HOLLIS, GEORGETTE MARIA (*Music*).....Brooklyn, N. Y.
 HOLMES, HILARY HERBERT (*Elementary Supervision*).....Tensas, Ala.
 HORTON, EDWARD EVERETT, JR. (*English*).....Brooklyn, N. Y.
 ** HOUSE, FLORENCE ELIZABETH.....Englewood, N. Y.
 HUGHES, SARA M. (*History*).....Ridgewood, N. J.
 HUNTER, FRANCES BEATRICE (*Domestic Art*).....New York City
 INOWYE, MRS. HIDA (*Domestic Science*).....Tokyo, Japan
 IRVING, SYLVIA (*Elementary Supervision*).....New York City
 ISDELL, IDA M. (*Kindergarten*).....Albany, N. Y.
 JAMES, MARY NEVINS (*Mathematics*).....Summit Hill, Pa.
 JARRETT, BERTHA ALMA (*History, English*).....New York City
 JOHNSON, ELIZABETH FRANCES (*Domestic Art*).....Cincinnati, O.
 B.S. 1908, B.L. Cincinnati 1896
 JONES, CLARA CHAPIN (*Elementary Supervision*).....Bloomfield, N. J.
 KEARNEY, LEO IGNATIUS (*English*).....New York City
 KEMNA, CHARLOTTE (*Domestic Art*).....Larchmont, N. Y.
 KING, EDNA VIRGINIA (*Kindergarten*).....Springfield, Ill.
 A.B. Vassar 1907
 KING, LE ROY ALBERT (*Elementary Supervision*).....York, Pa.
 KINYON, EMMET (*Manual Training*).....Marietta, N. Y.
 KIRKPATRICK, THOMAS BRUCE (*Physical Education*).....New York City
 KOEHLER, BERTHA KATRINA (*Kindergarten*).....Angola, N. Y.
 LAMBERT, LOUIS LUCIEN (*Music*).....New York City
 LANCASTER, NATALIE (*Mathematics*).....Ashland, Va.
 LANING, ELIZABETH M. (*English*).....Verona, N. J.
 LEVIN, ISAAC HARRIS (*Physical Science*).....Philadelphia, Pa.
 LUPOLD, HENRY SCHOLE (*History, Latin*).....Palmyra, N. Y.
 LYNCH, LESLIE OTIS (*Elementary*).....White Plains, N. Y.
 MCCLELLAND, META JOSEPHINE (*Kindergarten*).....Dobbs Ferry, N. Y.
 MCCLENAGHAN, MARGUERITE (*Latin*).....Jamesburg, N. J.
 MCCONNELL, NELLIE GRACE (*Elementary Supervision*).....Kalamazoo, Mich.
 McKEOWN, MATILDA J. (*Domestic Science*).....New York City
 McVEY, FLORENCE MABEL (*Primary Supervision*).....Adams, Mass.
 MAGEE, LETITIA LANE (*Domestic Science*).....Los Angeles, Cal.
 MANN, CLARA FITZ GERALD (*History*).....Mount Vernon, N. Y.
 MARKS, LAZARUS EMANUEL (*English, Elementary Supervision*).....New York City
 MARSH, LUCY HOLDEN (*Elementary Supervision*).....Belfast, N. Y.
 MARSHALL, EVA SAMUELS ROSE (*Primary*).....New York City
 MARSHALL, GRACE (*Domestic Science*).....Cincinnati, O.
 B.L. Cincinnati 1895
 MATHES, FANNIE PENDEXTER (*English*).....Dover, N. H.
 MIDDLETON, FLORENCE (*Biology*).....New York City
 MILLER, ELIZABETH (*History*).....Roxbury, N. Y.
 MITCHELL, JULIA REBECCA (*Elementary Supervision*).....Utica, N. Y.
 MOMBERT, ANNE THEODORA (*German*).....Paterson, N. J.
 MONSKY, JOSEPH (*German*).....New York City
 MORRIS, EDITH ST. JOHN (*German*).....Piermont, N. Y.
 MORRIS, MARY FLORENCE (*Physical Science*).....Cortland, N. Y.
 MORRISON, CAROLYN ELIZABETH (*Grammar Grades*).....South Orange, N. J.
 MORRISON, GRACE LAWRENCE (*Grammar Grades*).....Maryville, Mo.

** Degree only.

NEVILLE, ELEANOR STEVENS (<i>English</i>)	Lindenhurst, N. Y.
NEWBURY, MAUD CHRISTINE (<i>English</i>)	Woolford, Md.
NEWCOMER, CORA AGNESS (<i>Primary Supervision</i>)	Sedalia, Mo.
NICHOLAS, ALICE (<i>Mathematics</i>)	New York City
O'CONNELL, ANNA AURELIA (<i>Mathematics</i>)	New Richmond, Wis.
O'GORMAN, JAMES MICHAEL (<i>Elementary Supervision</i>)	Oswego, N. Y.
O'NEILL, HELEN WARNER (<i>History</i>)	Belvidere, N. J.
OSIAS, CAMILO (<i>Elementary</i>)	Balaoan Union, Philippine Is.
OVERTON, MABEL LIVINGSTON (<i>Elementary Supervision</i>)	Brooklyn, N. Y.
OWENS, JULIA LOUISE (<i>Latin, History</i>)	Ridgefield, Conn.
PALMER, ALICE FRANCES (<i>History</i>)	New York City
PARKER, LINETTE ALTHANA (<i>Hospital Economics</i>)	State College, Pa.
PARKHURST, JESSIE ESTELLE (<i>Music</i>)	Brooklyn, N. Y.
PATTERSON, EVELYN LOUISE (<i>Domestic Science</i>)	Beaver, Pa.
A.B. Beaver 1888	
PERKINS, JOSEPHINE (<i>Domestic Science</i>)	Amsterdam, N. Y.
PLANER, MRS. CLARA HELENE (<i>German</i>)	Hoboken, N. J.
POLAND, ETHEL ELIZABETH (<i>Kindergarten</i>)	Brooklyn, N. Y.
POTTS, LUCY EMMA (<i>Primary Teaching</i>)	Bryn Athyn, Pa.
RANGER, EDNA AMELIA (<i>Primary Supervision</i>)	New York City
RHODS, GERTRUDE (<i>English</i>)	West Chester, Pa.
RICHARDSON, AUGUSTA HORTENSE (<i>Music</i>)	Castine, Me.
RISSE, RUBY BLANCHE (<i>Physical Education</i>)	Blandinsville, Ill.
A.B. Illinois 1906	
RITCHIE, NELLIE (<i>History</i>)	Wilkes-Barre, Pa.
ROBERTS, FLORENCE SEAVEY (<i>English</i>)	Utica, N. Y.
RUSSELL, MARY GUSHERT (<i>Mathematics</i>)	New York City
SAMMIS, MINETTA FLORENCE (<i>Kindergarten</i>)	Terre Haute, Ind.
SARAUW, JULIANE MARIE AUGUSTE (<i>German</i>)	New York City
SARGEANT, IDE GILL (<i>English</i>)	Paterson, N. J.
SCHECHTER, DAVID G. (<i>Elementary Teaching</i>)	New York City
SCHLEGEL, KATHERINE (<i>Domestic Science</i>)	Superior, Wis.
SCHWARTZ, VIRGINIA M. (<i>German</i>)	Saratoga Springs, N. Y.
SCHWARTZ, ISODORE KRELL (<i>German</i>)	New York City
SELLECK, KATE LOUISE (<i>English</i>)	New York City
SHEPPARD, ELIZABETH PADGETT (<i>Nature Study, Geography</i>)	Greenwich, N. J.
SHEPPARD, EMMA ELIZA (<i>Manual Training</i>)	Elmer, N. J.
SINGER, EMMA ANNETTA (<i>History</i>)	East Stroudsburg, Pa.
SKINNER, JENNIE LOIS (<i>Music</i>)	New York City
SMART, ALICE MADELEINE (<i>Domestic Art</i>)	New York City
SMITH, ANNIE HOFFECKER (<i>Elementary Supervision</i>)	Easton, Md.
SMITH, JULIET SHANNON (<i>Kindergarten</i>)	Lee, Mass.
SNOOK, ESTHER L. (<i>Domestic Science</i>)	Spencer, N. Y.
STAELEN, LEONIE (<i>German</i>)	New York City
STANTON, DAISY LILLIAN (<i>Mathematics</i>)	Brooklyn, N. Y.
STANTON, WILLIAM HENRY (<i>Elementary Teaching</i>)	Brooklyn, N. Y.
STRADER, WILLIAM WELLER (<i>Mathematics</i>)	Stroudsburg, Pa.
STUTZ, CLARA K. (<i>German</i>)	Washington, D. C.
TEODORO, JOSÉ (<i>Primary Supervision</i>)	Bay, Laguna, Phil. Is.
THOMPSON, ELIZABETH ETHEL (<i>Elementary Supervision</i>)	East Lebanon, Me.
TICHBORNE, FRANCES F. M. (<i>History</i>)	Mount Vernon, N. Y.
TRENBATH, MABEL CROSSLEY (<i>English</i>)	Plainfield, N. J.
TROTTIER, THÉOPHILE (<i>French</i>)	New York City
TYNDALL, GERTRUDE VAN AUKEN (<i>Physical Science</i>)	Mount Vernon, N. Y.
UPHAM, DOROTHY QUINCY (<i>Domestic Art</i>)	Washington, D. C.
VAIL, EDNA (<i>Primary Teaching</i>)	Hamden, N. Y.

VERMILYA, MABEL (<i>Mathematics</i>)	New York City
WAKEMAN, MAY EUGENIA (<i>Manual Training</i>)	Bridgeport, Conn.
WALKER, SARAH M. (<i>Primary Supervision</i>)	Brockport, N. Y.
WALLACE, BELLE (<i>Kindergarten</i>)	Saginaw, Mich.
WARE, ALLEYNE (<i>English</i>)	Marshallville, Ga.
WAYMAN, GRACE (<i>Biology</i>)	Rosebank, N. J.
WEAVER, RAYMOND MELBOURNE (<i>English</i>)	New York City
** WILLIAMS, BESSIE POTTER (<i>Kindergarten</i>)	New York City
WILLIAMS, GRACE IRENE (<i>Domestic Science</i>)	Middleport, N. Y.
WILLIAMS, WILLIAM REES (<i>Elementary Supervision</i>)	Hastings-on-Hudson, N. Y.
WOOD, CAROLINE C. (<i>Domestic Science</i>)	New York City
WOOLICH, MRS. MATILDA (<i>Mathematics</i>)	Baltimore, Md.

Candidates for Special Diploma or Certificate

SECOND YEAR

ALDEN, CAROLINE EMMA (<i>Domestic Science</i>)	Hampden, Me.
ARBUS, CAROLINE MARION (<i>Domestic Art</i>)	Springfield, Mass.
AUGUR, EDNA FRANCES (<i>Domestic Art</i>)	Los Angeles, Cal.
AUGUR, VILLA (<i>Kindergarten</i>)	Los Angeles, Cal.
AUSTIN, KATE LILLIAN (<i>Physical Education</i>)	New York City
AVENT, JOHN McDONOUGH (<i>Elementary Supervision</i>)	New York City
AVERY, EDNA IRENE (<i>Domestic Art</i>)	Tacoma, Wash.
BALDT, LAURA IRENE (<i>Domestic Art</i>)	New York City
BANKS, VENIE MAE (<i>Fine Arts</i>)	Sparrow Bush, N. Y.
BATTEY, LEWIS BIRCH (<i>Manual Training</i>)	Fall River, Mass.
BAUMERT, CHRISTINE (<i>Music</i>)	New York City
BAXTER, EMILY PRISCILLA (<i>Kindergarten</i>)	Highwood, N. J.
BECKER, BERTHA MADELAINE (<i>Domestic Art</i>)	New York City
BERWIN, HARRIET (<i>Domestic Science</i>)	Pittsburg, Kan.
BLAIR, ALICE EVANS (<i>Domestic Art</i>)	Peoria, Ill.
BLAKE, CORNELIA DOUGLAS (<i>Manual Training</i>)	New York City
BLODGETT, CAROLINE ELLEN (<i>Music</i>)	Ludington, Mich.
BOGENRIEF, MARGARET MAY (<i>Physical Education</i>)	Mifflinsburg, Pa.
BOTHWELL, JULIA STANLEY (<i>Kindergarten Supervision</i>)	Cincinnati, Ohio
BROOKS, MRS. HELEN BRYCE (<i>Domestic Art</i>)	Toledo, Ohio
BROWN, CORINNE (<i>Kindergarten Supervision</i>)	La Grange, Ill.
BROWN, GRACE LILLIAN (<i>Kindergarten Supervision</i>)	Newark, N. J.
BROWN, HELEN MARGARET (<i>Domestic Science</i>)	Indianapolis, Ind.
BUEMMING, CHARLOTTE ADAM (<i>Domestic Art</i>)	Brooklyn, N. Y.
CAMPBELL, SUSAN EDITH (<i>Domestic Art</i>)	Decatur, Ill.
COYLE, CLARA VANDERHOOF (<i>Kindergarten</i>)	Hartford, Conn.
CRESSEY, ELIZABETH MAUDE (<i>Fine Arts</i>)	Newark, N. J.
CRIGLER, NINA BELLE (<i>Domestic Science</i>)	Normal, Ill.
DAILEY, FRANCES AVERILL (<i>Music</i>)	Englewood, N. J.
DOWNIE, ISABELLA HELEN (<i>Physical Education</i>)	Newburgh, N. Y.
EMERY, JULIA JORDAN (<i>Physical Education</i>)	Kirkwood, Ga.
FARNUM, ANNIE FLORINE (<i>Physical Education</i>)	New York City
FIELD, NELL C. (<i>Domestic Art</i>)	Anoka, Minn.
FINLAYSON, ALMA (<i>Domestic Science</i>)	Charlottetown, P. E. I., Canada
FORMAN, ELBANOR BRYNBERG (<i>Elementary Supervision</i>)	Elsmere, Del.
GARRATT, LA VERNE (<i>Primary</i>)	Watervliet, Mich.
HARKEN, HENRIETTA (<i>Kindergarten</i>)	Peotone, Ill.
HINDES, LORENA (<i>Primary Supervision</i>)	Lindsay, Okl.

** Degree only

HOLMAN, BESSIE FRANCES (<i>Domestic Art</i>)	Indianapolis, Ind.
HOOPER, MINNIE LOUISE (<i>Kindergarten</i>)	North River, N. Y.
HOWIE, MRS. HARDINIA BURNLEY (<i>Fine Arts</i>)	New York City
HUTCHINS, ANNA PEDDIE (<i>Domestic Science</i>)	Lawrence, N. Y.
HUTCHINSON, JEAN (<i>Fine Arts</i>)	Chicago, Ill.
JACKSON, MARY ISABEL (<i>Fine Arts</i>)	Jefferson, Ohio
JACOBSON, SADIE LILA (<i>Domestic Art</i>)	New York City
JESSUP, HARRIET FOSTER (<i>Domestic Science</i>)	Piermont, N. Y.
JUDD, EDWIN FERRIS (<i>Manual Training</i>)	Easthampton, Mass.
KALEY, WINIFRED KEITH (<i>Fine Arts</i>)	Albany, N. Y.
KELLEY, ELIZABETH (<i>Domestic Art</i>)	Cleveland, Ohio
KELLSEY, JANE DOUGLAS (<i>Kindergarten</i>)	Englewood, N. J.
KERNS, FANNIE MARIA (<i>Fine Arts</i>)	Los Angeles, Cal.
KIERAN, MARGARET AGNES (<i>Domestic Art</i>)	New York City
KIMBALL, RUTH (<i>Kindergarten</i>)	Fall River, Mass.
KIRKLEY, FLORENCE (<i>Physical Education</i>)	Toledo, Ohio
KNIFFIN, HERBERT REYNOLDS (<i>Fine Arts</i>)	New York City
LANE, ABIGAIL MATHIS (<i>Kindergarten</i>)	Englewood, N. J.
LEEDER, JOSEPH ARDEN (<i>Music</i>)	Oxford, Mich.
LOWREY, MIRIAM STETLAR (<i>Kindergarten</i>)	New York City
LYMAN, AMY (<i>Domestic Science</i>)	Salt Lake City, Utah
MCCULLEY, FLORENCE MARIE (<i>Domestic Art</i>)	New York City
MCDOWELL, MABEL CLAIRE (<i>Domestic Science</i>)	Troy, Ohio
McGOWIN, MARGARET ODELL (<i>Domestic Art</i>)	New York City
McNAB, MARY HAMILTON (<i>Physical Education</i>)	Rochester, N. Y.
McNALLY, KATHERINE MARY (<i>Kindergarten</i>)	New York City
MABREY, HELEN RIEDELL (<i>Domestic Science</i>)	Norwich, Conn.
MANCHESTER, MRS. MELINDA IDA (<i>Domestic Science</i>)	Nashua, N. H.
MASTERS, MARGARET PARVIN (<i>Primary Teaching</i>)	Marlton, N. J.
MEADOWS, TYRELLE (<i>Domestic Art</i>)	Ruston, La.
MILLER, MARY EMMA (<i>Fine Arts</i>)	Strasburg, Pa.
MILLER, ROSA ELIZABETH (<i>Fine Arts</i>)	Terryville, Conn.
MORRIS, NAN HYNSON (<i>Domestic Science</i>)	New York City
NASH, LILY (<i>Primary Supervision</i>)	Glen Elder, Kan.
O'BRIEN, MARY BRENNAN (<i>Domestic Science</i>)	New York City
PARMELEE, MARY (<i>Domestic Art</i>)	Toledo, Ohio
PAUL, ELSA MATIE (<i>Grammar Grades</i>)	New York City
PERNESSIN, NOÉMI (<i>Fine Arts</i>)	New York City
PHELPS, WILHELMINA W. (<i>Fine Arts</i>)	Utica, N. Y.
PHILLIPS, CAROLINE DOROTHEA (<i>Fine Arts</i>)	High Bridge, N. J.
PHIPPS, CARRIE E. (<i>Fine Arts</i>)	Cambridge, Mass.
RING, HELEN MARGARET (<i>Kindergarten</i>)	Nantucket, Mass.
RITTER, FLORENCE EVA (<i>Domestic Science</i>)	Williamsport, Pa.
RODMAN, RUTH ATTKISSON (<i>Grammar Grades</i>)	Oklahoma City, Okl.
RUE, MARGUERITE ANDREW (<i>Manual Training</i>)	Freehold, N. J.
SCHNEIDER, ISAAC (<i>Manual Training</i>)	New York City
SCHULER, MALCOLM WILLIAM (<i>Manual Training</i>)	Wilkes-Barre, Pa.
SCHWARTZ, CATHERINE CAECILE (<i>Kindergarten</i>)	New York City
SCHWARZ, HELEN (<i>Fine Arts</i>)	New York City
SHELLEY, LILLIAN D. (<i>Domestic Art</i>)	Buffalo, N. Y.
SHONINGER, EDNA (<i>Fine Arts</i>)	Chicago, Ill.
SIMPSON, SUSAN ALISON (<i>Fine Arts</i>)	Elmira, N. Y.
SMITH, ANNA LEONA (<i>Domestic Science</i>)	Weehawken, N. J.
SMITH, BESSIE GORDON (<i>Kindergarten</i>)	East Orange, N. J.
SMITH, EDITH IVES (<i>Physical Education</i>)	New York City
SMITH, MARY LOIS (<i>Manual Training</i>)	New York City

SPROULL, MAGDALENE WALLACE (<i>Physical Education</i>).....	Pittsburg, Pa.
STADLER, BLANCHE FANNIE (<i>Kindergarten</i>).....	New York City
STROPPE, ALICE (<i>Physical Education</i>).....	Marlborough, N. Y.
SUTHERLAND, MARY ELIZABETH (<i>Domestic Art</i>).....	Corvallis, Ore.
B.S. Oregon Argicultural 1904	
TEN EICK, CORA AGNES (<i>Domestic Art</i>).....	New York City
THOMPSON, GARDO (<i>Domestic Art</i>).....	Port Colburne, Ont.
TODD, NELL MARGARET (<i>Fine Arts</i>).....	Minneapolis, Minn.
TWADDLE, HUGH W. (<i>Manual Training</i>).....	Ossining, N. Y.
WALES, MARY ALICE (<i>Fine Arts</i>).....	Monson, Mass.
WARD, ELIZABETH HARRISON (<i>Fine Arts</i>).....	Oneonta, N. Y.
WEER, LETITIA ELEANOR (<i>Domestic Science</i>).....	Baltimore, Md.
WELDIN, WINIFRED (<i>Primary Teaching</i>).....	Wilmington, Del.
WHITCOMB, ELEANOR (<i>Domestic Art</i>).....	Indianapolis, Ind.
WHITMORE, ELIZABETH BROWNING (<i>Physical Education</i>).....	New York City
WILE, HELEN (<i>Kindergarten</i>).....	Rochester, N. Y.
WILLETT, ETHEL (<i>Domestic Science</i>).....	Needham, Mass.
WILMOT, RUTH ALTA (<i>Domestic Art</i>).....	Grand Rapids, Mich.

FIRST YEAR

ALEXANDER, SARA SHORTER (<i>Domestic Art</i>).....	New York City
AUERBACH, RACHEL (<i>Domestic Art</i>).....	New York City
BACÓ, ISABEL (<i>Physical Science</i>).....	Mayagüez, Porto Rico
BAILEY, MRS. HARRIET (<i>Hospital Economics</i>).....	Bangor, Me.
BEEGLE, MARY PORTER (<i>Physical Education</i>).....	Far Rockaway, N. Y.
BENNETT, LILLIAN (<i>Domestic Science</i>).....	East Stroudsburg, Pa.
BERRY, JENNIE SAIDA (<i>Hospital Economics</i>).....	Farmington, Me.
BIRDSONG, NELLIE WARREN (<i>Manual Training</i>).....	Richmond, Va.
BOTSFORD, MILLIE RUTH (<i>Kindergarten</i>).....	Potsdam, N. Y.
BOYD, LOUIE CROFT (<i>Hospital Economics</i>).....	Denver, Colo.
BRIGHT, MARGUERITE SIMONS (<i>Kindergarten</i>).....	Hazleton, Pa.
BROOKE, FANNIE DOSWELL (<i>Domestic Science</i>).....	Sutherland, Va.
BROOKS, ANNA (<i>Domestic Science</i>).....	New York City
BRUNEL, BLANCHE EUGENIE (<i>Primary Teaching</i>).....	New York City
BRYAN, EDWARD HOLCOMBE (<i>Elementary Supervision</i>).....	Maywood, N. J.
BURGIN, MARIAN WILDER (<i>Physical Education</i>).....	New York City
BURT, HELEN ASHTON (<i>Elementary Teaching</i>).....	Wheeling, W. Va.
BUSCHMANN, FRANCES EMMA (<i>Domestic Art</i> .).....	Indianapolis, Ind.
BUTLER, HELEN (<i>Physical Education</i>).....	New York City
BUTLER, MARIE (<i>Kindergarten</i>).....	New York City
BYNON, HANNAH C. (<i>Fine Arts</i>).....	French Corral, Cal.
CAHILL, MARY FLORENCE (<i>Fine Arts</i>).....	New York City
CARTER, GRACE EVELYN (<i>Fine Arts</i>).....	Grand Forks, N. D.
CHESTER, MRS. ELIZABETH (<i>Domestic Art</i>).....	Newton Centre, Mass.
COLEMAN, KATHERINE ROSAMOND (<i>Domestic Science</i>).....	New York City
CONEY, SYLVIA TERRILL (<i>Domestic Science</i>).....	Orange, N. J.
CORSER, JEAN (<i>Fine Arts</i>).....	Minneapolis, Minn.
CRISMAN, BESS MORITZ (<i>Domestic Science</i>).....	Salina, Kan.
CROPSEY, FRANCES BERGEN (<i>Domestic Science</i>).....	Brooklyn, N. Y.
DAVIDSON, GERTRUDE (<i>Fine Arts</i>).....	Princeton, Ind.
DAVIS, ELIZA RUSSELL (<i>Hospital Economics</i>).....	Auburn, N. Y.
DEMPSEY, FLOSSY (<i>Primary Supervision</i>).....	Milwaukee, Wis.
DIEMER, CAROLINE MAY (<i>Manual Training</i>).....	Rochester, N. Y.

DISMUKES, MARGARET DEERING (<i>Domestic Science</i>)	Nashville, Tenn.
DONELSON, ETHEL MARIE (<i>Fine Arts</i>)	Muskegon, Mich.
ELDRIDGE, EDNA ALICE (<i>Kindergarten</i>)	Brooklyn, Pa.
ERDMANN, BERTHA (<i>Hospital Economics</i>)	Minneapolis, Minn.
FISHER, THOMAS A. (<i>Fine Arts</i>)	Minneapolis, Minn.
FONDA, ELIZABETH FLETCHER (<i>Manual Training</i>)	Rochester, N. Y.
FORBES, ESTHEW BRADFORD (<i>Elementary Teaching</i>)	Torrington, Conn.
FRASER, HARRY CARLETON (<i>Physical Education</i>)	Altoona, Pa.
FRAYSER, MARY ELIZABETH (<i>Domestic Science</i>)	Richmond, Va.
FREAR, MRS. FLORENCE DODGE (<i>Domestic Art</i>)	New York City
FROST, EDITH EMILY (<i>Manual Training</i>)	Kenilworth, N. J.
GRAY, ROBERT PAUL (<i>Fine Arts</i>)	Waterbury, Vt.
HAESSLER, ANNA MARGARET (<i>Domestic Science</i>)	Milwaukee, Wis.
HALCY, GRACE MAY (<i>Music</i>)	New York City
HALL, ELIZA PHILLIPS (<i>Domestic Art</i>)	Dayton, Ohio
HARRIS, RUTH GREEN (<i>Fine Arts</i>)	New York City
HARRISON, BELLE (<i>Domestic Art</i>)	Ithaca, N. Y.
HASLER, EDITH BESSIE (<i>Kindergarten</i>)	London, England
HASTINGS, GERTRUDE ARVILLA (<i>Domestic Art</i>)	Lynnfield Centre, Mass.
HERZ, ELSIE (<i>Domestic Art</i>)	New York City
HITCHCOCK, HARRIET MAE (<i>Physical Education</i>)	Brooklyn
HOLMES, OLIVER WENDELL (<i>Fine Arts</i>)	Brooklyn
HOPSON, DOROTHY SLACK (<i>Kindergarten</i>)	Bridgeport, Conn.
HOWIE, MRS. HARDINIA BURNLEY (<i>Fine Arts</i>)	New York City
JENNINGS, KATHARINE THERESA (<i>Fine Arts</i>)	Little Falls, N. Y.
JONES, ELLA CAPERS (<i>Elementary Teaching</i>)	Quitman, Ga.
KELLEY, MARY ROSS (<i>Fine Arts</i>)	Yarmouth, Nova Scotia
KEMMER, FLORENCE ELIZABETH (<i>Domestic Science</i>)	Yonkers, N. Y.
KOLB, ANNE PORTER (<i>Physical Education</i>)	Birmingham, Ala.
KRAUS, HELEN E. (<i>Physical Education</i>)	Slatington, Pa.
LALOR, JOSEPHINE P. (<i>Hospital Economics</i>)	Syracuse, N. Y.
LANE, FLORENCE M. (<i>Fine Arts</i>)	Florence, Mass.
LATHROP, ELIZABETH ANNIS (<i>Manual Training</i>)	Dorset, Vt.
LEGGETT, ANNA LEE (<i>Domestic Science</i>)	Altamont, N. Y.
LENNEY, JAMES PATRICK (<i>Manual Training</i>)	Newark, N. J.
LOGAN, AMY L. (<i>Domestic Science</i>)	New York City
LOMBARD, LOUISE AYRES (<i>Domestic Science</i>)	Bronxville, N. Y.
LYON, HENRIETTA BALDY (<i>Domestic Science</i>)	Williamsport, Pa.
McKENNA, MARY C. (<i>Hospital Economics</i>)	Waltham, Mass.
McKNIGHT, ELIZABETH MURRY (<i>Kindergarten</i>)	New York City
MACDOUGALL, ELIZABETH EVA (<i>Domestic Science</i>)	North Adams, Mass.
MAGEE, NETTAWIN MAUDE (<i>Domestic Science</i>)	Yonkers, N. Y.
MARSHALL, CARLOTTA A. (<i>Hospital Economics</i>)	Milbridge, Me.
MARSHALL, MAY (<i>Fine Arts</i>)	New York City
MARTIN, ELAINE (<i>Kindergarten</i>)	Lebanon, Tenn.
MILLER, JOSEPHINE (<i>Elementary Supervision</i>)	Pottstown, Pa.
MILLER, MABEL FAIRBANKS (<i>Physical Education</i>)	New York City
MILLER, MARY CLARA (<i>Domestic Art</i>)	Pottstown, Pa.
MITCHELL, IRENE THEODORA (<i>Kindergarten</i>)	Boonton, N. J.
MOORE, ANNIE EGERTON (<i>Primary Supervision</i>)	Louisville, Ky.
MORRISON, KATHERINE (<i>Fine Arts</i>)	Emporia, Kan.
MORRISSEY, ALICE IRENE (<i>Physical Education</i>)	New York City
MURPHY, FRANCES VIOLA (<i>Music</i>)	Forest, Ind.
MURRAY, JULIA WILLOUGHBY (<i>Fine Arts</i>)	Los Angeles, Cal.
MURLAND, CLEO (<i>Geography, Nature Study</i>)	Newark, N. J.
NIXON, ROSA (<i>Fine Arts</i>)	Montgomery, Ala.

OLD, ANNA VALERIA (<i>Kindergarten</i>)	Montclair, N. J.
PARMENTER, HELEN CAROLINE (<i>Fine Arts</i>)	Fulton, N. Y.
PENNY, ANNA M. (<i>Kindergarten</i>)	New York City
PHELPS, CELIA GERTRUDE (<i>Primary Teaching</i>)	Hornell, N. Y.
PIRSSON, JULIA EMILY VANDERPOEL (<i>Fine Arts</i>)	Millburn, N. J.
POWELL, LOUISE MATHILDE (<i>Hospital Economics</i>)	Staunton, Va.
RANDOLPH, ETHEL ADELIA (<i>Primary Supervision</i>)	Anniston, Ala.
RAPHAEL, SAMUEL SOLOMON (<i>Manual Training</i>)	Brooklyn, N. Y.
REYNOLDS, MARION JOSEPHINE (<i>Physical Education</i>)	Sandusky, Ohio
RINE, CELIA BERTRICE (<i>Kindergarten</i>)	Hoboken, N. J.
ROBERTS, EVA (<i>Domestic Science</i>)	New York City
ROCKWOOD, ALFRED HARRIS (<i>Manual Training</i>)	Hoboken, N. J.
RODMAN, ELIZABETH SELDEN (<i>Kindergarten</i>)	South Orange, N. J.
SALE, SARAH FRANCES (<i>Domestic Science</i>)	Tignall, Ga.
SAMETH, BLANCHE (<i>Domestic Science</i>)	Perth Amboy, N. J.
SCHWABLE, BERTHA ELIZABETH (<i>Kindergarten</i>)	Greenville, Ohio
SELEEN, ESTHER BEATHA (<i>Domestic Art</i>)	Cheney, Wash.
SHAW, JESSIE CUNNINGHAM (<i>Fine Arts</i>)	Honolulu, T. H.
SILLCOX, GUSTAVA ELLA (<i>Hospital Economics</i>)	New York City
SIMMONS, BESSIE ELLEN (<i>Hospital Economics</i>)	Kingfield, Me.
SIMONDS, HELEN MARY (<i>Domestic Art</i>)	Burlington, Vt.
SIMPSON, I. OLIVE (<i>Kindergarten</i>)	Mount Vernon, N. Y.
SLY, GERTRUDE (<i>Domestic Art</i>)	Warwick, N. Y.
SMITH, BERTA TYLER (<i>Fine Arts</i>)	Cairo, Ill.
STAGE, JENNIE MAY (<i>Physical Education</i>)	Middletown, N. Y.
STALEY, MRS. BERTA D. (<i>Hospital Economics</i>)	St. Paul, Minn.
STEINIGER, ALMA BELLE (<i>Kindergarten</i>)	New York City
STEVEN, MABEL JESSIE (<i>Physical Education</i>)	New York City
STEWART, ISABEL MAITLAND (<i>Hospital Economics</i>)	Winnipeg, Manitoba
STITES, MARION GERTRUDE (<i>Domestic Art</i>)	Tenafly, N. J.
STORER, HELEN MAYE (<i>Manual Training</i>)	Susquehanna, Pa.
STRAFER, ELINOR MIRIAM (<i>Fine Arts</i>)	Cincinnati, Ohio.
SURDAM, MILDRED JEAN (<i>Kindergarten</i>)	Waverly, N. Y.
SUTHERLAND, ISABEL (<i>Domestic Science</i>)	New York City
SWENSON, IRENE (<i>Music</i>)	St. Cloud, Minn.
TAYLOR, EPPIE JANE (<i>Hospital Economics</i>)	Hamilton, Ontario
TAYLOR, MARY ALVIRA (<i>Domestic Art</i>)	Greeneville, Tenn.
THOMAS, LUCY AMELIA (<i>Domestic Science</i>)	Edwards, Ill.
THOMPSON, NATALIE (<i>Fine Arts</i>)	Brooklyn, N. Y.
THORNTON, ANNA CECILIA (<i>Physical Education</i>)	New York City
TOTTEN, SYRENA BRADFORD (<i>Music</i>)	Wayland, N. Y.
TREAT, DOROTHY HASTINGS (<i>Physical Education</i>)	New York City
TREAT, MARJORIE KENT (<i>Physical Education</i>)	New York City
VAN SANN, ELIZABETH G. (<i>Fine Arts</i>)	Maywood, N. J.
WARDELL, SAMUEL EDWIN (<i>Manual Training</i>)	Orange, N. J.
WELTY, EDITH MABEL (<i>Domestic Art</i>)	Cerro Gordo, Ill.
WERTZ, ZITELLA (<i>Domestic Science</i>)	Johnstown, Pa.
WIDMER, MARGARET M. (<i>Domestic Art</i>)	Seattle, Wash.
WILLIAMS, SUSAN ELIZABETH (<i>Elementary Teaching</i>)	New York City
WILLIS, MARY C. (<i>Domestic Science</i>)	New York City
WITHERS, FRANCES LAMAR (<i>Domestic Science</i>)	Chester, S. C.
WOODS, MARY (<i>Manual Training</i>)	Brooklyn, N. Y.

UNCLASSIFIED STUDENTS

GRADUATE

ANDREWS, MRS. ELIZABETH RUSSELL, A.B. Cornell 1901.....	New York City
BERRY, HOWARD BERGTOLD, B.S. 1908.....	New York City
BROWN, FLORENCE MARY, A.B. Wisconsin 1908.....	Spring Green, Wis.
BRUÈRE, ALICE HENRIETTA, B.S. Cornell 1895.....	New York City
CARSE, ELIZABETH, Ph.B. Cornell 1895.....	New York City
FOREST, KATHERINE, A.B. Smith 1905.....	New York City
FOX, MRS. HELEN M., A.B. Vassar 1905.....	New York City
GODFREY, LYDIA BOKER, Ph.B. Boston 1878.....	Lake Placid Club, N. Y.
HENDRIE, MABEL LOUISE, A.B. Wellesley 1907.....	Stamford, Conn.
HOCKENBERRY, JOHN COULTER.....	Westfield, Mass.
A.B. Indiana 1899, Ph.D. Pennsylvania 1906	
HOCKENBERRY, MRS. M. AMELIA, A.B. Wellesley 1881.....	Westfield, Mass.
HUNTING, ELLA, B.S. 1905.....	Trenton, N. J.
JOERG, WOLFGANG.....	Brooklyn, N. Y.
Brooklyn Polytechnic 1899, Candidate for Ph.D. in University of Göttingen	
LATHAM, MARCIA LOUISE, A.M. 1908, B.S. North Carolina 1900.....	New York City
McKENNIS, HERBERT, LL.B. 1908, A.B. Dartmouth 1904.....	New York City
PREBLE, GRACE ROSAMOND, B.S. 1904.....	New York City
RENN, ELIZA LUELLA, A.B. Kansas, 1901.....	Lawrence, Kan.
RUPLEY, GEORGE ALLEMAN, A.B. Princeton 1902, A.M. 1906.....	Mercersburg, Pa.
SELLECK, ANNE, A.B. Bryn Mawr 1904.....	Southport, Conn.
SHEPHERD, FRED STRONG.....	Asbury Park, N. J.
A.B. Beloit 1884, A.M. 1887, Ph.D. Pennsylvania 1897	
SKINNER, ADA MARIA, B.S. 1902.....	Columbus, Ohio
SMITH, NANN ANTONIA, B.S. Smith, 1902.....	Minneapolis, Minn.
WILKES, MAX S., B.S. C. C. N. Y. 1906.....	New York City
WOERISHOFFER, CAROLA, A.B. Bryn Mawr 1907.....	New York City
WOOD, MARGAERT CHESTER, B.S. 1907.....	New York City

UNDERGRADUATE

ATWATER, CHARLES OGDEN.....	Montclair, N. J.
BRADY, EDWIN S.....	Orange, N. J.
BRIGGS, ANNIE BENNETT.....	East Orange, N. J.
BROOKS, MRS. MARY L. H.....	New York City
CONKLIN, MARY JEANNETTE.....	Columbia, Pa.
CORTEZ, ELISA.....	Mexico City, Mexico
CULVER, MARY LIMA.....	New York City
CURTISS, IDA.....	Bagley, Md.
DENEEN, LOTTIE LUCILE.....	Hammond, Wis.
EMMONS, MARY.....	Paterson, N. J.
EWING, MARTHA HARDING.....	Greenwich, N. J.
GAULDEN, ERWINNA.....	De Land, Fla.
GOLDSTEIN, GERTRUDE LAVONNE.....	Brooklyn, N. Y.
GOOLRICK, JENNIE MAY.....	Fredericksburg, Va.
GOULD, FRANCES REBA.....	New York City
GRAHAM, MARY OWEN.....	Charlotte, N. C.
HAHN, LILLIAN.....	New York City
HAMILTON, EDITH LELIA.....	New York City
HART, CAROL REEVES.....	Stamford, Conn.
HILL, MAUDE CORNELIA.....	Oswego, N. Y.
HILLER, EUNICE GALE.....	Santa Barbara, Cal.

HILLS, HELEN PULVER.....	Torrington, Conn.
HOWES, EMILY.....	New York City
JINISHIAN, EUNICE.....	Marash, Turkey
JOFFÉ, BETTY.....	New York City
KALBFLEISCH, ELEANOR.....	New York City
KELLSEY, MARGARET STEWART.....	Englewood, N. J.
KESLER, MARGERY.....	Thomasville, N. C.
KIRKHAM, OSCAR AMMON.....	Lehi, Utah
KNOTT, MRS. ELEANOR.....	New York City
LEONARD, CAROLINE WILTSE.....	Bayonne, N. J.
LYON, CARRIE HELEN.....	Chetopa, Kans.
MCLEOD, KATHERYN CONGDON.....	Boston, Mass.
MAHLER, ANNA B.....	New York City
MAYER, VIOLA.....	New York City
MAYNE, EVA.....	Dayton, Ohio
MITCHELL, MARTHA K.....	New York City
MOEN, JOHANNE.....	Salt Lake City, Utah
MONTGOMERY, SARAH LOUISE.....	Jeffersonville, Ind.
MUSA, AUGUSTINA.....	Rio Piedras, Porto Rico
PARSONS, ADELAIDE MARIA.....	New York City
PAULSEN, MRS. HELEN BRADFORD.....	Shannon City, Ia.
PHILLIPS, ELLEN ANNA GERTRUDE.....	New York City
PUIG, AMÉRICA.....	Mayagüez, Porto Rico
REID, ETHEL.....	Cold Spring, Ky.
SHOTWELL, MRS. ALICE GARDNER.....	Glen Cove, L. I.
SIMPSON, EMILY CARROLL.....	New York City
SINGH, MRS. BISHNOR.....	Amritsar, India
SKINNER, EDNA CAMPBELL.....	Princeton, Mass.
SLEFFEL, CATHERINE.....	New York City
SMITH, FRANK D.....	Brooklyn, N. Y.
SOLOMONS, CLARA BELLE.....	Charleston, S. C.
STERNFELD, MRS. CORA LEOPOLD.....	New York City
SUWO, CHOKO.....	Tokyo, Japan
TOMES, MARGARET ANNE.....	Washington, D. C.
WALLACE, LUCY BRYANT.....	New York City
WARNER, JENNIE GRACE.....	Rocky Hill, Conn.
WESSA, ALICE.....	New York City
WOLVERTON, ANNIE WALLACE.....	Detroit, Mich.

SUMMER SESSION, 1908

The following matriculated students, not in residence during the academic year 1908-09, were in attendance at the Summer Session of 1908:

ACKLES, MRS. OLINDA R.....	San German, Porto Rico
ALLEN, DEWITT CLINTON.....	Hartford, Conn.
ANGELL, DAISY B.....	New York City
APPLEWHITE, MARY KATHARINE.....	Raleigh, N. C.
ARCHER, FREDERICK.....	Chapel Hill, N. C.
BACON, GERTRUDE MAY.....	North Tonawanda, N. Y.
BAKER, NELLIE BEATRICE.....	Honolulu, T. H.
BARNETT, D'ARCY CORNWELL.....	Cambridge, Md.
BARRETT, LUCINDA C.....	Holyoke, Mass.
BARTLETT, LIDA.....	Baltimore, Md.
BEACH, NELLIE LOUISE.....	Sioux City, Ia.
BEAN, SUSAN HOPKINS.....	Philadelphia, Pa.
BEANE, ADDISON J.....	Trappe, Md.

BEHR, ELSA.....	Hastings-on-Hudson, N. Y.
BEMIS, BESSIE E.....	Ionia, Mich.
BERGAMINI, RACHEL.....	New York City
BERGSTEIN, ADOLPH.....	New York City
BERSOT, ELIZABETH POINDEXTER.....	Louisville, Ky.
BEVERIDGE, JOHN HARRIE.....	Missouri Valley, Ia.
BLACKMAN, EDITH.....	Portchester, N. Y.
BLAIR, ELIZABETH R.....	Trenton, N. J.
BOCK, EMMA.....	New York City
BOICE, HARRY BELKNAP.....	Trenton, N. J.
BORGER, WILLIAM E.....	Pittsburg, Pa.
BOWTELL, JENNIE G.....	New York City
BOYSON, CHRISTINE HOLMES.....	Osseo, Minn.
BRADY, KATHERINE ROGERS.....	Brooklyn, N. Y.
BRANDS, CARL.....	Asheville, N. C.
BRECKENRIDGE, WILLIAM EDWIN.....	Mount Vernon, N. Y.
BRODERICK, EDWARD M.....	Hannibal, N. Y.
BROGDEN, LAUTREC CRANMER.....	Kinston, N. C.
BROWN, WILLIAM F.....	Commerce, Ga.
BRYAN, FREDERICK JOSEPH.....	Brooklyn, N. Y.
BURT, FRANCES.....	Mt. Pleasant, Mich.
CANTWELL, GUY.....	Westfield, Ind.
CARPENTER, MARY LOVINA.....	Rehoboth, Mass.
CARTER, HOWARD G.....	Hamilton, Ohio
CASHMAN, JOSEPH FRANCIS.....	Brooklyn, N. Y.
CAULFIELD, BRIDGET M. F.....	New York City
CHAMBERLAIN, NINA L.....	New York City
CLARK, ANNA WASHBURN.....	Scranton, Pa.
CLARK, MRS. NAOMI S. F.....	New York City
COBEY, LUCY EUGENIA.....	Hartford, Conn.
COHN, LOUIS BENJAMIN.....	New York City
CONOLLY, JOHN N.....	Rockaway Park, N. Y.
COPELAND, H. CONSTANCE.....	Brooklyn, N. Y.
COUNTRYMAN, REUBEN LE ROY.....	Geneseo, N. Y.
CURRAN, ELIZABETH C.....	Baltimore, Md.
DAKIN, WILSON SHELDON.....	Northampton, Mass.
DALE, JULIA.....	Vidalia, La.
DAVIS, MABEL R.....	Johnstown, Pa.
DAVIS, WILLIAM GUY.....	Lake City, Fla.
DE BOER, JOSEPHINE MARIE.....	Yonkers, N. Y.
DE BOLT, ANNETTE.....	Omaha, Neb.
DE LAPORTE, ETHEL W.....	Toronto, Canada
DEMPSEY, ERNESTINE MAY.....	Jackson, Ga.
†DEPNER, MARTA.....	New York City
DICKSON, GEORGE W.....	Willimantic, Conn.
DINEEN, HELEN.....	New York City
DOLAN, ADA CLARE.....	Ogdensburg, N. J.
DOLLAR, FERNE VIDA.....	Oshkosh, Wis.
DOWELL, SPRIGHT.....	Birmingham, Ala.
DUSENBURY, LILLIAN.....	New York City
ELLIS, MARY.....	Buffalo, N. Y.
EVANS, ELIZABETH.....	Youngstown, Ohio
FERGUSON, GEORGE OSCAR, JR.....	Leesburg, Va.
FISHER, LOUISE MARION.....	New York City
FLINN, RICHARD ALOYSIUS.....	Brooklyn, N. Y.

† Deceased.

FORD, EDITH LULU.....	Rockville, Md.
FOX, WILLIS ALFRED.....	Newark, N. J.
GALLAHER, SUE.....	Chicago, Ill.
GEARING, MAMIE EDNA.....	Houston, Tex.
GLEASON, MARY.....	Detroit, Mich.
GORDON, HELEN.....	Washington, D. C.
GORDY, HARRY MILES.....	Salisbury, Md.
GRAY, JULIET GUYER.....	Stormstown, Pa.
GRESHAM, MARGARET.....	Waynesboro, Ga.
GROENENDYKE, ELIZABETH.....	Pasadena, Cal.
HACKETT, KATHLEEN MARY.....	New York City
HAMILTON, KATHARINE.....	Decatur, Ill.
HANDY, SYDNEY.....	Easton, Md.
HANN, RUTH PENMAN.....	Scranton, Pa.
HARCUM, CORNELIA G.....	Baltimore, Md.
HARRIS, AGNES ELLEN.....	Rome, Ga.
HARVEY, ELIZABETH MCKENDREE.....	Louisville, Ky.
HASTY, PHILIP S.....	Lansing, Mich.
HAYES, KATHERINE.....	Oswego, N. Y.
HELLER, MARY ELIZABETH.....	Eastport, Md.
HELTER, HENRY HARRISON.....	Mansfield, O.
HERDLE, LEWIS A.....	Clinton, O.
HICKS, MRS. ARCHIBALD A.....	Oxford, N. C.
HILL, CLYDE M.....	West Plains, Mo.
HILLIKER, MRS. LULU HOOVER.....	Hollywood, Cal.
HIMROD, MABLE COWDREY.....	Brooklyn, N. Y.
HOBBS, JESSIE VINTON.....	Baltimore, Md.
HOGLE, ADA.....	Bellingham, Wash.
HORNE, ELSIE RUTHERFORD.....	Plainfield, N. J.
HOSTERMAN, JOHN SCHOLL.....	Montrose, Pa.
HUFFINGTON, JAMES WALTER.....	Salisbury, Md.
HURLEY, KATHERINE LESTER.....	New York City
IRELAND, ANNA B.....	Merchantville, N. J.
JACOBS, CHARLES LOUIS.....	San José Cal.
JARET, ABRAHAM.....	New York City
JOHNSON, WORTHY.....	Athens, Ga.
JOHNSTON, BERTHA M.....	Otterbein, Ind.
JOHNSTON, EDITH ARTEMISSIA.....	Anniston, Ala.
KAPPUS, PAULINE.....	New York City
KARNER, MARY LOUISA.....	Newark, N. J.
KEMP, GEORGE BRUCE, JR.....	Jersey City, N. J.
KENT, ASA RAYMOND.....	Lanesboro, Minn.
KILTS, ETHEL LENORE.....	Tonawanda, N. Y.
KINGSBURY, JOHN ADAMS.....	Seattle, Wash.
LANSBERRY, ELIZABETH.....	Phillipsburg, Pa.
LA RUE, DANIEL WOLFORD.....	Augusta, Me.
LAURENCE, MARY ALICE.....	Rochester, N. Y.
LEVIN, MIGNON.....	Baltimore, Md.
LEWIS, HALLIE CORINNE.....	Marianna, Fla.
LINGG, ANALIE SOPHIE.....	Tompkinsville, S. I.
LOOS, EUGENIE LOUISE.....	New York City
LYMAN, LOIS.....	Manasquan, N. J.
MCCALLUM, MARY.....	Memphis, Tenn.
McKINLEY, VIRGIL PARKS.....	Troy, Ala.
McLAUGHLIN, ELIZABETH B.....	Cincinnati, O.
MACCULLEY, EVA MURPHY.....	New York City

MACDOWELL, THEODORA LEANDER.....	Philadelphia, Pa.
MACMILLAN, MARY ELIZA.....	Red Springs, N. C.
MADDOX, W. ARTHUR.....	Portsmouth, Va.
MARKS, ROSE ADELAIDE.....	Richmond, Va.
MAYMAN, JACOB EDWARD.....	Brooklyn, N. Y.
MAYS, ARTHUR BEVERLY.....	Dallas, Texas
MELSON, IDA E.....	Atlanta, Ga.
MELSON, MARIAN M.....	Atlanta, Ga.
MICHAELSON, KLARA MARIE.....	Minneapolis, Minn.
MILLER, JAMES COLLINS.....	Calgary, Alberta, Can.
MORGAN, M. ELLA.....	Washington, D. C.
MORROW, ELIZABETH E.....	Toronto, O.
MUIR, THOMAS M.....	Independence, Mo.
MURPHY, JANE F.....	Richmond Hill, N. Y.
MURRAY, CATHARINE MARIE ANGELA.....	New York City
MYERS, WILLIAM A.....	Hartford City, Ind.
NICHOLAS, ALICE VIRGINIA ANN.....	New York City
NIGHTINGALE, ELEANOR MARIA.....	Brooklyn, N. Y.
NIWANGER, TECCA.....	New York City
NOSWORTHY, EMILY.....	New York City
O'MALLEY, ARTHUR FRANCIS.....	Brockton, Mass.
OREM, NICHOLAS.....	Easton, Md.
OSBORN, OLIVIA ORAM.....	Arlington, Md.
PAINE, ALICE MAY.....	Winona, Minn.
PALMER, FRANK W.....	East Meredith, N. Y.
PARDEE, FLORENCE AMELIA.....	New Haven, Conn.
PARROTT, ALICE BURROWS.....	Elizabeth, N. J.
PEARCY, JAMES BUCHANAN.....	Anderson, Ind.
PEARSON, WILLIAM RICHMOND.....	Brooklyn, N. Y.
PEASE, HERBERT UDELL.....	Springfield, Mass.
PHOENIX, LYDIA ELLEN.....	Troy, Pa.
PITTENGER, OSCAR MORTON.....	Alexandria, Ind.
POIS, CECELIA.....	New York City
PORTER, HARRY PRIMROSE.....	Snow Hill, Md.
POTTORF, JOHN L. G.....	Salem, Ohio
PRATT, LIDA M.....	Laingsburg, Mich.
PRATT, ORVILLE CLYDE.....	Clinton, Ind.
PRENDERGAST, KATHARINE IRENE.....	St. Paul, Minn.
PUTNAM, ALICE.....	Rye, N. Y.
RANTSCHLER, LUELLA S.....	Pueblo, Colo.
RECORD, MRS. CARRIE LIVERMORE.....	Fredonia, N. Y.
REPPENHAGEN, LEILA.....	New York City
REUTHER, EDWARD A.....	Jersey City, N. J.
RIBLET, GRACE ELIZABETH.....	New York City
RICHARDSON, IRA.....	Shelbina, Mo.
RICKERT, EDWIN LEHMAN.....	Maquoketa, Ia.
RIDDLE, JESSE WINFIELD.....	Lawrenceburg, Ind.
ROBERTS, GEORGE LUCAS.....	Lafayette, Ind.
ROBERTS, MARIE L.....	Ashland, Ky.
RODRIGUEZ, SALVADOR, JR.....	Portchester, N. Y.
RUSSELL, OLIVE.....	Chicago, Ill.
RUSSELL, VINNEDGE M.....	Platteville, Wis.
RYDENE, ALMA PAULINE.....	New York City
RYLAND, HELENA MABEL.....	Jonesboro, Tenn.
SALTONSTALL, GRACE MARTIN.....	Englewood, N. J.
SAMS, JOHN H.....	Pine Apple, Ala.

SANDS, BEATRICE.....	Salem, N. J.
SCHOLL, JOSEPH HIRAM.....	Rushville, Ind.
SELVIDGE, ROBERT WASHINGTON.....	Warrensburg, Mo.
SELWYN-BROWN, ARTHUR.....	New York City
SHEEDY, KATHARINE VERONICA.....	New York City
SHELTON, FRANK MARION.....	Pittsburg, Pa.
SHEMELEY, FLORENCE E.....	Newark, N. J.
SIBLEY, GUY A.....	Springfield, Mass.
SILL, AMY LOUISE.....	Cohoes, N. Y.
SINNETT, LOTTIE MARY.....	Cincinnati, O.
SMALL, JENNIE.....	Elwood, Ind.
SMITH, ETHEL LEWIS.....	Trenton, N. J.
SMITH, HAROLD FRED.....	Campbell, Cal.
SMITH, HENRY LESTER.....	Bloomington, Ind.
SMITH, MARY READ.....	Anniston, Ala.
SMITH, SADIE ALLAN.....	Covington, Ga.
SNYDER, ARIETTA.....	Trenton, N. J.
SNYDER, GARDNER JOHNSON.....	Hohokus, N. J.
SOUTHWORTH, RAY LLOYD.....	Mondovi, Wis.
STABLER, IDA PALMER.....	Sandy Spring, Md.
STUECKLE, FREDERICK L.....	Astoria, L. I.
TATE, JAMES H.....	Prince Bay, S. I.
TATE, MARY ALDA.....	West Hoboken, N. J.
THOMAS, JOHN FREDERICK.....	Hastings, Mich.
THOMPSON, NANNIE M.....	Centreville, Md.
THOMPSON, SAMUEL HENRY.....	Hastings, Neb.
TILLMAN, CATHERINE IMELDA.....	New York City
TOMPKINS, ELIZABETH.....	Ninety-Six, S. C.
TOMPKINS, EVELYN.....	Ninety-Six, S. C.
TUCKER, CLARA A.....	Sharon, Md.
VAIL, MARY BEALS.....	Denton, Texas
VAN OOT, BENJAMIN HENRY.....	Oswego, N. Y.
VAN SCHAICK, ANNE.....	Sharon Springs, N. Y.
VINSON, RUTH.....	Augusta, Ark.
WATERBURY, AVIS.....	Westfield, Mass.
WATKINS, CATHARINE ROSE.....	Washington, D. C.
WEBB, MARQUIS D.....	Madison, Ind.
WEGLEIN, DAVID EMRICH.....	Baltimore, Md.
WEISS, PAUL.....	Marion, La.
WHEELER, MABEL HUBBARD.....	New York City
WHITNEY, WILL.....	Milltown, New Brunswick
WILLITS, LOUIE KOOSER.....	Pasadena, Calif.
WOOD, CHRISTINE M.....	Columbus, Ohio
WOOD, MOREY ALDRICH.....	Oak Park, Ill.
WRIGHT, ANNIE CORNING.....	Lansing, Mich.
YOUNG, KATHARINE AGATHA.....	New Hartford, Conn.
ZIEGLER, CHARLES EDWARD.....	New York City

SUMMARY

I. Graduate Students:

Candidates for Doctor's Degree and Diploma.....	55
" " Master's Degree and Dipoloma.....	140
Unclassified.....	26

II. Professional Students:

Candidates for Bachelor's Degree and Diploma, and for Special Diplomas:

For Teaching in Secondary Schools: Biology 9, English 46, French 6, Geography 6, German 24, History 35, Latin 5, Mathematics 23, Physical Science 10, in Secondary Schools (major not stated) 1, in Elementary Schools 54, in Kindergartens 58, Domestic Art 60, Domestic Science 94, Fine Arts 60, Hospital Economics 17, Manual Training 40, Music 14, Nature-Study 4, Physical Education 39, Supervising in Kindergartens or Elementary Schools 49, Candidates for the Bachelor of Science Degree only 16..... 670

Unclassified Students..... 75 966

Less duplicate counts, students candidates for more than one diploma 9

Total resident registration..... 957

III. Additional matriculated students, Summer Session, 1908 .. 227

Net total matriculated students 1184

IV. Students from other parts of the University..... 296

Total matriculated students..... 1480

In addition to the above there are non-matriculated (extension) students registered at Teachers College..... 1820

There are also 994 pupils in the Horace Mann School and 217 in the Speyer School, total 1211.

COLLEGE OF PHARMACY

OFFICERS AND TRUSTEES

NICHOLAS MURRAY BUTLER.....	<i>President</i>
EWEN MCINTYRE.....	<i>Honorary President</i>
CHARLES F. CHANDLER.....	<i>Vice-President</i>
HERBERT D. ROBBINS.....	<i>Vice-President</i>
GUSTAVUS RAMSPERGER.....	<i>Honorary Vice-President</i>

Term expires 1909

F. W. CARPENTER
ARTHUR H. ELLIOTT
THOMAS P. COOK
HIERONIMUS A. HEROLD
ALBERT PLAUT

Term expires 1910

OTTO P. AMEND
ADOLPH HENNING
DUDLEY T. LARIMORE
ROBERT S. LEHMAN
REUBEN R. SMITH

Term expires 1911

WILLIAM C. ALPERS
CHARLES S. ERB

MAX J. BRIETENBACH
LEO W. GEISLER, Jr.

FELIX HIRSEMAN

CLARENCE O. BIGELOW.....	<i>Treasurer</i>
THOMAS F. MAIN.....	<i>Secretary</i>
HARRY B. FERGUSON.....	<i>Assistant Secretary</i>

OFFICERS OF INSTRUCTION

Officers of the Faculty

HENRY H. RUSBY, M.D....	<i>Dean and ex-officio Member of the University Council</i>
GEORGE C. DIEKMAN, Ph.G., M.D.....	<i>Secretary</i>

The Faculty

NICHOLAS MURRAY BUTLER, Ph.D., LL.D. (Cantab.), Litt.D. (Oxon.),	<i>President</i>
CHARLES F. CHANDLER, A.M., Ph.D., M.D., LL.D., Sc.D.,	<i>Mitchill Professor of Chemistry</i>
ARTHUR H. ELLIOTT, Ph.D., F.C.S.	<i>Professor Emeritus of Chemistry</i>
HENRY H. RUSBY, M.D.....	<i>Professor of Materia Medica</i>
VIRGIL COBLENTZ, A.M., Phar.M., Ph.D., F.C.S.,	<i>Professor of Chemistry</i>
GEORGE C. DIEKMAN, Ph.G., M.D.....	<i>Professor of Pharmacy</i>

JOHN OEHLER, Ph.G.....	<i>Adjunct Professor of Chemistry</i>
WILLIAM J. GIES, Ph.D.....	<i>Professor of Biological Chemistry, Columbia University</i>
CARLTON C. CURTIS, Ph.D.....	<i>Adjunct Professor of Botany, Columbia University</i>
ANTON VORISEK, Phar.D.....	<i>Professor of Analytical Chemistry</i>
WILLIAM MANSFIELD, Phar.D.....	<i>Professor of Pharmacognosy</i>
CLINTON B. KNAPP, M.D.....	<i>Professor of Bacteriology</i>
WALTER ARTHUR BASTEDO, Ph.G., M.D....	<i>Associate in Pharmacology and Therapeutics, Columbia University</i>
JAMES DUFF, B.S.....	<i>Lecturer on Food and Drug Inspection</i>

Other Instructors

CURT P. WIMMER, Phar.D.....	<i>Instructor in Pharmacy</i>
FREDERICK A. LESLIE, Phar.D.....	<i>Instructor in Analytical Chemistry</i>
CHARLES W. BALLARD, Phar.D.....	<i>Instructor in Materia Medica</i>

OTHER OFFICERS OF ADMINISTRATION

JAMES H. CANFIELD, LL.D., Litt.D.....	<i>Librarian of the University</i>
F. P. KEPPEL, A.B.....	<i>Secretary of the University</i>
WILLIAM A. HERVEY, A.M.....	<i>Registrar of the University</i>
HENRY LEE NORRIS, M.E....	<i>Superintendent of Buildings and Grounds</i>
VIRGIL COBLENTZ, Ph.D.....	<i>Librarian to the College of Pharmacy</i>
CLARA A. KERKER..	<i>Custodian of the Library of the College of Pharmacy</i>

GENERAL STATEMENT

The College of Pharmacy of the City of New York, founded in 1829, chartered in 1831, and recognized in 1879 by the Regents as part of the University of the State of New York, became a member of the educational system of Columbia University on July 1, 1904. The President of the University is *ex-officio* President of the College of Pharmacy, and the College is represented in the University Council by its Dean, who is appointed by the Trustees of the College of Pharmacy on the nomination of the President. The College, however, maintains its separate corporate organization, and its Trustees continue to provide for its financial support.

The College is situated at 115 West 68th Street, near Columbus Avenue, in an especially well-equipped building erected in 1894.

The College of Pharmacy is thus the professional school of Columbia University for pharmacists, pharmaceutical chemists and Doctors of Pharmacy and, as well, a valuable addition to the University's resources for teaching and research in botany, chemistry, and materia medica.

ADMISSION

Students who are to be examined for admission will be examined either at the Regents' examination, or at the January and September entrance examinations of Columbia University, or of the College Entrance Examination Board, which are held in June of each year. (See pages 169-178.)

College Course

This course is open, according to statute, only to persons holding the Qualifying Certificate for a Pharmacy Student, granted by the State Education Department for 15 Regents' counts or their equivalent. (Leading to the degree of Ph.G.)

University Course

This course is open only to persons holding the Regents' academic equivalent certificate granted for 60 Regents' counts, or the corresponding certificate of Columbia University or of the College Entrance Examination Board. (Leading to the degree of Ph.C.)

Graduate Course

This course is open to pharmaceutical chemists of this or other schools of equal grade or those holding equivalent degrees. (Leading to the degree of Phar.D.)

Food and Drug Course

This course is open to all graduates of this College, and to others whose training has qualified them to perform the necessary work.

COURSES OF STUDY

1. A college course, consisting of a junior and senior year, leading to the degree of Graduate in Pharmacy, conferred by the College independently of the University, and qualifying the graduate to meet any examination for the position of licensed pharmacist.

The work undertaken is as follows: Junior year—physics, general and pharmaceutical chemistry, analytical chemistry, mathematics of pharmacy, practical pharmacy, dispensing pharmacy, botany, pharmacognosy, physiology, and toxicology. Senior year—organic chemistry, inorganic and organic pharmaceutical chemistry, analytical chemistry, practical pharmacy, dispensing pharmacy, materia medica, toxicology, commercial pharmacognosy, histological pharmacognosy.

2. A University course of 2 years leading to the degree of Pharmaceutical Chemist, conferred by the University. The work undertaken in this course differs from that of the College course in being of a somewhat more advanced character, and in being pursued through the

full academic year. It includes instruction in biology and a laboratory course in physics, in addition to the studies of the College course. Part of this work is performed by the medical department of the University.

3. A third or graduate course of one year, leading to the degree of Doctor of Pharmacy. This course is designed to fit graduates for positions as analysts and microscopists, and for making urinary analyses, bacteriological examinations, and performing other work of the kind. It consists of practical work in plant analysis, technical microscopy and bacteriology, quantitative and organic analysis, and lecture courses in the theory and practice of inorganic quantitative analysis, commercial organic analysis and toxicology, and physiological chemistry. Students so desiring may add a second year to this course, making their entire course the equivalent of that leading to the degree of B.S.

4. A course of one year in the microscopical and chemical analysis of foods and drugs. A Summer Preparatory Course of twelve weeks is provided for those who, for any reason, require training in special subjects as a preparation for the Food and Drug Course.

5. A number of special courses of instruction have also been established, partly for the benefit of those regular students who desire, for any reason, to specialize in certain lines of work, and partly to provide instruction in individual departments for those who do not desire to take the full course. Certificates, but not diplomas, are awarded to such students. These special courses of instruction are in pharmacognosy, chemical analysis, advanced inorganic and organic chemistry, and practical pharmacy.

Method of Instruction

During the junior and senior years the instruction occupies three days of the week, the alternate days being free for that practical experience in the pharmacy which is required by Boards of Pharmacy. This arrangement enables students to meet the Board requirements, and it also provides a means of paying the expenses of a majority of students.

Many students, under the advice of the Faculty, prefer to devote the entire time of the second year to college work. For those so desiring, additional instruction is provided.

In addition to lectures and laboratory work a series of recitations or quizzes, by a corps of qualified instructors, is given to the students in small sections.

Prizes

(See page 441)

REGISTER OF STUDENTS

COLLEGE OF PHARMACY

Junior Class

ASERINSKY, BORIS.....	New York City
AUDI, CLELIA.....	West Hoboken, N. J.
BAHAN, KATHERINE R.....	Yonkers, N. Y.
BARON, SAMUEL.....	New York City
BARTA, OTTO.....	Larkfield, L. I.
BECKER, CHARLES C.....	Stapleton, N. Y.
BERKOWITZ, ISIDOR.....	New York City
BIANCHI, JOSEPH.....	New York City
BINDER, ABRAHAM.....	New York City
BLATT, SAMUEL.....	New York City
BREHM, FRED.....	Heidelberg, Germany
BRENNAN, JOSEPH R.....	Marlboro, N. Y.
BROWN, WILLIAM A.....	New York City
CANTOR, DAVID.....	New York City
CARTWRIGHT, HAROLD T.....	New York City
CLARK, ROBERT.....	Larkfield, L. I.
CLARY, WALTER J.....	New York City
COHEN, ABRAHAM.....	New York City
COHEN, DAVID I.....	Jersey City, N. J.
COLE, CLIFFORD D.....	Fillmore, N. Y.
COLE, CRYSTAL A.P.....	Fillmore, N. Y.
COLES, WILLIAM H.....	Wiconisco, Pa.
CYPRESS, LEON L.....	New York City
D'AMICO, VINCENZO.....	Newark, N. J.
DAVIS, SUMNER C.....	Portland, Me.
DE SANCTIS, FRANCESCO.....	New York City
DI BELLA, ANTHONY.....	New York City
DRIESEN, CHARLES M.....	New York City
EPITHIMIOU, EPITHIMIOS.....	Samos Valley, Greece
ERON, CHARLES A.....	New York City
ESTRADA, EUGENE A.....	Cardenas, Cuba
FABREGA, DEMETRIO.....	Plaza del Mercado, Panama
FEINBERG, SAMUEL.....	New York City
FREEDMAN, EPHRAIM.....	New York City
FREIMAN, MAX.....	New York City
FRIED, MAX.....	New York City
FRIEDLANDER, SAMUEL D.....	New York City
GAGLIANO, BENJAMIN.....	New York City
GALOTTA, STEFANO L.....	New York City
GARTEN, OSCAR.....	New York City
GIVENS, EDWARD M.....	Highlands, N. J.
GLASEROFF, SAMUEL.....	New York City
GOIDO, ROBERT W.....	New York City

GOLD, JACOB D.	New York City
GOLDBERG, SAMUEL	New York City
GORTON, GRAHAM F.	Summit, N. J.
HAEFEL, WILLIAM	College Point, N. Y.
HALPERN, RACHEL	New York City
HAMMOND, EDWARD N.	Southampton, L. I.
HANKS, CHARLES R.	Cooperstown, Pa.
HART, FANNIE	New York City
HEIMLICH, EDWARD A.	New York City
HELDT, MARTIN G.	New York City
HERTZ, HERMAN	New York City
HERSCHKOWITZ, HENRY	New York City
HOLT, MARTHA A.	Yonkers, N. Y.
HUCK, MARTIN L.	New York City
JAFFEY, ISIDOR	New York City
KANTOR, LEO E.	New York City
KARLIN, ABBOT A.	New York City
KAPOLSKY, ISIDORE	New York City
KASCHUCK, GEORGE	New York City
KIPP, ERNEST E.	Milford, Pa.
KNECHT, ERNEST W.	New Brunswick, N. J.
KRUMWIEDE, HOWARD A.	New York City
LACCORN, PAUL	New York City
LAMOUREE, ALEXANDER	Tuxedo Park, N. Y.
LANGE, WALTER	New York City
LAWSON, ALEXANDER	Rockville Centre, N. Y.
LEVINSON, MEYER	New York City
LIEBRECHT, CHARLES	New York City
LINDSAY, CHARLES W.	Amsterdam, N. Y.
LONG, ARTHUR B.	Westfield, Mass.
MCCRUM, EDWARD	West New Brighton, N. Y.
McMULLEN, WILLIAM Y.	Bristol, Conn.
McWHORTER, ERNEST K.	Highland Mills, N. Y.
MAKAUS, ANDREW T.	New York City
MESIANO, PASQUALINO	New York City
MING, LUKE W.	Oakland Cal.
MOORE, WILLIAM S.	New York City
MORAN, HENRY P.	New York City
OGG, ROBERT A.	New York City
O'NEIL, EDWIN H.	New York City
O'TOOLE, JOHN F.	New York City
POLONSKY, JOSEPH	New York City
PROPST, GRIER C.	Concord, N. C.
RALSTON, WILBERT M.	Atlantic City, N. J.
REED, WALTER C.	Sea Bright, N. J.
RICHLESS, LOUIS H.	Hoosick Falls, N. Y.
ROBINSON, LEONARD H.	Warrensburg, Mo.
ROBITSEK, ANTON	Perth Amboy, N. J.
ROEDIGER, TRAUGOTT F.	New York City
ROMANO, ANDREW A.	New York City
ROSENBLATT, SAMSON	New York City
ROTHMAN, MAX	Beltzy, Bessar, Russia
ROWLAND, WILLIAM L.	Highlands, N. J.
SALOMON, MORRIS	New York City
SCHLESINGER, HARRIS	New York City
SCHWARZ, LOUIS W.	Jersey City, N. J.

SIEBENBORN, HENRY W.	New York City
SIEGEL, ISADOR S.	Yonkers, N. Y.
SPLESCIA, LAURETO	New York City
TAUB, JULIUS	Jersey City, N. J.
TOLMACH, SAMUEL	New York City
TYMPANY, WILLIAM H.	Stapleton, N. Y.
VOGEL, HERMAN	New York City
WEIL, MONROE H.	New York City
WEINER, SAMUEL	New York City
WHALEN, VINCENT T.	Millbrook, N. Y.
WISE, JAMES W.	Dover, Del.
YAFFA, FREDERICK	New York City
ZORN, OTTO G.	New York City

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Junior University Class

ALLIEGIO, ALFRED	New York City
ARJONA, J. E.	Panama, Rep. of Panama
AUCHENPAUGH, ELMER	Hyndsville, N. Y.
AYRES, CLARENCE A.	Andover, N. J.
BELA, SZUCS	Cleveland, Ohio
BENSEN, S. R. MERRILL	Paterson, N. J.
BLAKE, EARL W.	Port Byron, N. Y.
BLUME, ROBERT L.	Ansonia, Conn.
BREITENBACH, JULIUS M.	New York City
BUCK, LYNN H.	Gouverneur, N. Y.
CANGIALOSI, CIRO	New York City
CAPPETTA, VINCENT	Sheepshead Bay, N. Y.
CHARLESTON, JOSEPH	New York City
CLAYTON, GEORGE F.	New York City
COLE, ARTHUR E.	Avon, N. Y.
ELTING, RICHARD	Ellenville, N. Y.
FINK, JOHN L.	New York City
GOLDSTEIN, ISIDORE	Paterson, N. J.
GROSS, CLAIRE C.	New York City
HANSEN, HARRY B.	Weehawken Heights, N. J.
HOWARD, LESLIE W.	West Lebanon, N. H.
HUMPHREYS, GLENN W. S.	Brockwayville, Pa.
HUNT, FRANK L.	Smithtown Branch, L. I.
HUTTON, ALTON E.	Brasie Corners, N. Y.
KRAUSER, WILLIAM H.	Milton, Pa.
KUHLMANN, ALVIN E.	Town of Union, N. J.
MALARKEY, JOSEPH F.	Bethel, Conn.
MARSTON, EDGAR J.	New York City
MARTEN, MANUEL E.	New York City
REGNAULT, WALTER	New York City
ROBINSON, VICTOR A.	New York City
ROON, LEO	New York City
ROSSMAN, HARRY	New York City
SCHETTERER, GEORGE F.	New York City
SCUCCIMARRA, MOSE D.	New York City
SIDRANSKY, SAMUEL	New York City
STERN, ARTHUR Z.	Kamenltz-Podolsk, Russia
VON ST. GEORGE, ARMIN A.	Jersey City Heights, N. J.

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Senior Class

ACKERMAN, MAURICE	New York City
ADAMS, LE ROY R.	Plainfield, N. J.

ALPERS, OTTO	New York City
BALSAMO, JOSEPH S.	New York City
BARTH, FRED E.	Greenport, N. Y.
BAUMAN, JAMES J. A.	Maurer, N. J.
BERBERT, LYN	Hastings-on-Hudson, N. Y.
BERNSTEIN, SAMUEL	New York City
BOEHME, LOUIS F.	New York City
BLUMENBERG, JOHN H.	New York City
BOTTCHER, ERNST F. A.	Magdeburg, Prussia, Germany
BRADY, JAMES J.	Woodcliffe, N. J.
BRANCATO, FRANK	New York City
BRANOWER, GEORGE I.	New York City
BRANOWER, SOLOMON	New York City
BRETT, CLARENCE J.	Newport, N. Y.
BURSTAN, JACOB	Middletown, Del.
CAPUTE, CARMELO T.	New York City
CARSON, JOHN J.	Oneonta, N. Y.
COHEN, ALEXANDER	New York City
COOPER, ABRAHAM	New York City
DELVECCHIO, FELIX A.	Newark, N. J.
DENIKE, GEORGE C.	New York City
DI NOLPO, LEONARD	New York City
EGERMAN, JACOB	Yonkers, N. Y.
FALCONI, ANGELO	New York City
FELDMAN, JACOB	New York City
FINKENBERG, JEROME	New York City
FRUCHT, GERALD	New York City
GIACALONE, VINCENZO	New York City
GLUCKMAN, HARRY	New York City
GORDON, JOSEPH	New York City
GORDON, ARTHUR H.	Marlboro, N. Y.
GRODINSKY, HYMAN	New York City
GUARDI, JOSEPH	New York City
GUILD, MAX	New York City
GUSSMAN, LEWIS	New York City
HAMILTON, JAMES L.	Presque Isle, Me.
HASAN, HERMAN	New York City
HINDES, SAMUEL	New York City
JOHNSON, GEORGE	West New Brighton, N. Y.
KARPMAN, BENJAMIN	New York City
KATIBAH, SELIM I.	New York City
KINGSTON, FREDERICK D.	Newburgh, N. Y.
KLEINMANN, MORTIMER V	New York City
LACOVARA, ANTHONY	New York City
LEVINSON, MEYER	New York City
LEVITCH, FRANCES	New York City
LINNICK, SIMON	W. Hoboken, N. J.
LOEW, MORRIS	New York City
LOEWENTHAL, PAUL	New York City
LONIS, JOHN E.	Frankfort, N. Y.
MCFARLANE, JOHN M.	Fishkill-on-Hudson, N. Y.
MCMANUS, JAMES P.	Towners, N. Y.
MCRAB, EDWARD D.	New York City
MARTOCCIO, ANTHONY	New York City
MATERA, ANTONIO	New York City
MECHINEL, ANTONIO	New York City

MILLER, LIONEL F.	Saranac Lake, N. Y.
MINKIN, NOAH	New York City
MORRISON, WILSON B.	Lisbon, Ohio
MUNDARO, EMIL A.	New York City
MUSTER, WILLIAM	Paterson, N. J.
NARDI, PACIFICO	New York City
OATES, EDWARD B.	New York City
PACHMAN, LOUIS	New York City
PEARLMUTTER, SAMUEL	New York City
PISCULLI, DOMINICK M.	New York City
POLONSKY, HENRY	New York City
PSAKI, CONSTANTINE G.	Bensonhurst, N. Y.
REED, GEORGE C.	New York City
REGELSON, MORRIS	New York City
REUTER, RICHARD	New York City
ROGERS, GHENT W.	Waco, Texas
ROSENBLUM, MICHAEL	New York City
SALINITRO, NICHOLAS	New York City
SALOMAN, SAMUEL	New York City
SAPPIRO, ISADOR A.	New York City
SCHNEIDERMAN, WILLIAM	New York City
SCHROEDER, OTTO L.	New York City
STEAD, THEODORE H.	Norwich, Conn.
STOCKHOFF, HERMAN J.	Rutherford, N. J.
STOCKHAMMER, RAYMOND J.	New York City
STOLLER, SAMUEL	New York City
STREHL, FRANK P.	Paterson, N. J.
SOBEL, MOSES	Newburgh, N. Y.
TARTAK, LEON	New York City
TOW, NICHOLAS	New York City
TOW, SIEGFRIED	New York City
WEINSCHENK, HARVEY	Flushing, N. Y.
WESTERMAYR, FRIEDA C. A.	Port Chester, N. Y.
WINDT, BENN.	New York City
WORTHY, SAMUEL	Boston, Mass.
ZEVIE, SOLOMON	New York City

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Senior University Class

BEAN, FRANCIS L.	McGraw, N. Y.
CORNISH, STANLEY D.	Carmel, N. Y.
ETLER, JACOB	New York City
GAUL, WILLIAM H.	Yonkers, N. Y.
GOLOB, MAX	New York City
JENNINGS, RALPH C.	Summit, N. J.
KLEBE, KURT B.	New York City
KRAFF, EMILE F.	New York City
LICHTENSTEIN, ISIDOR	New York City
LINDSLEY, LEON J.	Corry, Pa.
MCBRIDE, CHARLES A.	Rutherford, N. J.
MATTHEWS, ARTHUR P.	Scranton, Pa.
PRYOR, KENNETH B.	Wappinger Falls, N. Y.
SCAVO, JOHN	New York City
SCHLESINGER, MALCOLM L.	Yonkers, N. Y.
STEFFENS, JOHN A.	New York City
ULANOFF, FRANCES	New York City
WHITEHEAD, FRANK E.	Morristown, N. J.

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Food and Drug Class

GASPARD, CHARLES F.	New York City
GEIGER, GEORGE A.	West Orange, N. J.
HORNBY, LAURA B. (Mrs).....	Phillipsburg, N. J.
MORRELL, GLENN E.	Fulton, N. Y.
PROSSER, EDGAR A.	New York City

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Graduate Class

BLANCO, AUGUSTIN.	San Juan, P. R.
BYKOWSKY, HAROLD E.	Marlin, Texas
DAVIS, EDWIN M.	Elizabeth, N. J.
DI GIOVANNA, THOMAS.	New York City
EIMER, WALTER R.	New York City
ESTRADA, ASUNCION.	Cardenas, Cuba
HECKER, JOHN H.	Munster, Alsace, Germany
HENGGELE, JOHN P.	Paterson, N. J.

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Summary

Junior Classes.	150
Senior Classes.	112
Food and Drug Classes.	5
Graduate Class.	8
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SUMMER SESSION

1908

NICHOLAS MURRAY BUTLER, *President of the University*

ADMINISTRATIVE BOARD

JAMES CHIDESTER EGBERT, Ph.D.

Professor of Latin, Director of the Summer Session

FREDERICK J. E. WOODBRIDGE, LL.D.

Johnsonian Professor of Philosophy

WILLIAM ADDISON HERVEY, A.M.

Adjunct Professor of the Germanic Languages and Literatures

FREDERICK PAUL KEPPEL, A.B.

Secretary of the University

CLYDE FURST, A.M.

Secretary of Teachers College

Recorder

HELEN C. WADELTON

OFFICERS OF INSTRUCTION

Session of 1908

In the University Faculties and Schools

Professors and Adjunct Professors—BAKER, BIGELOW, BLACK, BURTON-OPITZ, CAMPBELL, EGBERT, HERVEY, JORDAN, KASNER, LOISEAUX, LUCKE, MACLAY, MCCREA, MAYER, MONTAGUE, MORGAN, MOSES, REMY, SHERMAN, SNEDDEN, STRAYER, TOMBO, TUFTS, VULTÉ, WOODWORTH.

Instructors—BRAUN, CHAMBERS, MISS COOLEY, DAVIS, MISS EARHART, FITZ-GERALD, FULMER, HAIGHT, MISS HILL, MISS KIRCHWEY, LING, MCCASTLINE, NOYES, SLEFFEL, SPIERS, WEICK, WILLIAMS, MISS WILSON.

Tutors—BEANS, MISS BENTON, BROWN, GILL, JOUËT, MAXSON, PORTERFIELD, THATCHER.

Lecturers—FURST, PAUL, WHITLEY.

Other Officers of Instruction

FRANK FROST ABBOTT, Ph.D., *Latin*; CARRY VAN R. ASHCROFT, B.S., *Physical Education*; WILLIAM CHANDLER BAGLEY, Ph.D., *Education*; CHARLES SEARS BALDWIN, Ph.D., *English*; WILBUR PARDON BOWEN, B.S., *Physical Education*; JOSEPHINE V. BROWER, *Physical Education*; HENRY SMITH CARHART, Ph.D., *Physics*; ROSSITER GLEASON COLE, Ph.B., *Music*; FRANK W. CHANDLER, Ph.D., *English*; HENRY RUSHTON FAIRCLOUGH, Ph.D., *Latin*; LUCIEN FOULET, B. ès L., *Romance Languages*; MAURICE GARLAND FULTON, Ph.B., *English*; ERNEST P. GOODRICH, *Civil Engineering*; ERNEST NORTON HENDERSON, Ph.D., *Education*; GEORGE HOLSTON, *Drawing*; WILL DAVID HOWE, Ph.D., *English*; ROBERT MATTESON JOHNSTON, M.A., *History*; ARCHIBALD M. MACMECHAN, Ph.D., *English*; GRACE HARRIET MACURDY, Ph.D., *Greek*; ROSWELL CHENEY MCCREA, Ph.D., *Economics*; CYPRIEN O. MAILLOUX, E.E., *Electrical Engineering*; FRANK A. MANNY, A. M., *Education*; HENRY WINCHESTER ROLFE, A. M., *History*; FRANK CHAPMAN SHARP, Ph.D., *Philosophy*; WILLIAM BENJAMIN SMITH, LL.D., *Mathematics*; HENRY RUSSELL SPENCER, Ph.D., *History*; CLIFF WINFIELD STONE, B.S., *Principal Elementary School*; THOMAS ANDREW STOREY, Ph.D., *Physical Education*; GEORGE MALCOLM STRATTON, Ph.D., *Psychology*; CHAUNCY R. THOMAS, *Manual Training*; THOMAS WHITTEMORE, A.B., *Fine Arts*; FREDERIC A. WOLL, *Physical Education*; MARY WOODS, *Manual Training*.

Assistants

WILLIAM H. BOYNTON, *Domestic Science*; HERMON W. FARWELL, *Physics*; ALFRED C. HAWKINS, *Mineralogy*; LAURA FALLS, *Manual Training*; GEORGE T. HOLM, *Swimming*; WILLIAM J. KRAFT, *Organist*; LEIGHTON B. MORSE, *Physics*; RAEMER REX RENSHAW, *Chemistry*; GRACE R. POTTER, *Education*; EDWARD C. KENDALL, *Chemistry*; HENRY A. RUGER, *Psychology*; CAROLINE B. STACKPOLE, *Biology and Nature Study*; ANNA C. THORNTON, *Physical Education*; GUY F. WELLS, *Education*; WALTER G. WHITMAN, *Chemistry*; ALFERD HOFFMAN, *Chemistry*; LOUIS B. GILLETT, *English*; EDITH TUFTS, *Education*; CHARLES B. MARKHAM, *Physics*; SARAH M. MOTT, *Education*; CLARA A. TENEICK, *Domestic Art*; LINVILLE L. HENDREN, *Physics*.

GENERAL STATEMENT

The ninth Summer Session of the University opened July 7, 1908, and closed August 14. The registration days for the Summer Session were July 3 and 6. Examinations for certificates were held on August 14.

Courses were offered to men and women on equal terms, in biology, chemistry, domestic art, domestic science, drawing, economics,

education, engineering (civil, electrical, and mechanical), metallurgy, English (including rhetoric and composition), fine arts, geography, German, Greek, history, kindergarten, Latin, manual training, mathematics, mechanics, mineralogy, music, nature study, philosophy, physical education, physics, physiology, psychology, and Romance languages.

Each course consisted of thirty lectures or other exercises, or their equivalent in laboratory or field work. Credit for such courses in the Summer Session as are accepted by the several Faculties of the University in partial fulfilment of the requirements for degrees or for diplomas in teaching is given upon the satisfactory completion of the course, including the final examination.

Fees

(See page 35)

The tuition fee for the Summer Session is \$30, which covers courses of instruction aggregating six points credit, the normal limit allowed by the regulations.

For the *Announcement* of the Summer Session of 1909, which will open July 7 and offer a wide range of courses, or for information regarding dormitory accommodations, or board and lodging, address the Secretary of Columbia University, New York.

Summer Courses in Medicine

The sixth series of Summer Courses in Medicine for men was offered in 1908. Courses were given in clinical pathology, gynecology, laryngology, medical diagnosis, obstetrics, orthopedic surgery, physical diagnosis, physiology and surgery.

This work will be continued in the summer of 1909, and persons interested are requested to apply for the *Announcement* of the Summer Courses in Medicine, which will be furnished without charge upon application after February 1 to the Secretary of the University.

Registration, Session of 1908

Copies of the separately printed *Directory of the Summer Session, 1908*, may be had upon application to the Secretary of the University. In this catalogue, at the end of the Register of Students under each Faculty, will be found a list of the Summer Session Students of 1908 who matriculated under that Faculty, but who did not return to register in September.

SUMMARY

I. Non-matriculated.....		844
II. Matriculated:		
1. Columbia College	87	
2. Barnard College	25	
3. Applied Science.....	125	
4. Fine Arts	3	
5. Political Science.....	22	
6. Philosophy.....	188	
7. Pure Science	57	
8. Teachers College.	145	
9. College of Physicians and Surgeons.....	2	654
		<hr/>
		1498
Summer Course in Medicine:		
1. Non-matriculated	19	
2. Matriculated	15	34
		<hr/>
Total.....		1532

EXTENSION TEACHING

ADMINISTRATIVE BOARD

JAMES EARL RUSSELL, LL.D.,
Dean of Teachers College, Chairman

ADOLPHE COHN, LL.B., A.M.,
Professor of the Romance Languages and Literatures

FRANKLIN THOMAS BAKER, A.M.,
Professor of the English Language and Literature

HERBERT GARDINER LORD, A.M.,
Professor of Philosophy

FREDERICK HENRY SYKES, Ph.D.,
Professor of English, Director of Extension Teaching

OFFICERS OF INSTRUCTION

In the University Faculties and Schools

Professors and Adjunct Professors—HAMLIN, JACKSON, KIRCHWEY, GIDDINGS, COHN, CLARK, PELLEW, BOAS, SPERANZA, WOODHULL, BAKER, PARKER, DODGE, McMURRY, MONROE, DUTTON, CRAMPTON, THORNDIKE, BREWSTER, WOODBRIDGE, BAGSTER-COLLINS, SYKES, LOISEAUX, HERVEY, TOMBO, STOUGHTON, McWHOOD, SPINGARN, DOW, TUFTS, SHOTWELL, PAGE, SNEDDEN, REMY, MONTAGUE, BEARD, JORDAN, CURTIS, MITCHELL.

Instructors—HARRIMAN, NOYES, LING, WARREN, BRAUN, FITZGERALD, BARROWS, ZERBE.

Tutors—MULLER, NEISH, HUESER, MAXSON, GILL, BROWN, BIGONCIARI, PORTERFIELD, BOYESEN, COOLEY, GERIG, WESTCOTT, THOMAS.

Lecturers—RICHARD, TASSIN, AGGER, HAYES (C.H.), COLE (P.R.), BOLLERT.

Assistants—BOYNTON, MACGREGOR, FOOTE, DASCHBACH, GREIFF, ARMSTRONG, ROANTREE, ALLEN.

Other Officers of Instruction

CLYDE FURST, A.M., *English Literature*; RICHARD MORSE HODGE, D.D., *Biblical Literature*; THOMAS WHITNEY SURETTE, *Music*; MARI RUEF HOFER, *Music*; DANIEL GREGORY MASON, A.B., *Music*; CLAYTON M. HAMILTON, A.M., *English*; CHARLES JOHNSTON, *History*; MARION B. B. LANGZETTEL, *Kindergarten Education*; ADA M. LOCKE, *Kindergarten Education*; ARTHUR ALEXANDER STOUGHTON, Ph.D., *Architecture*; CALVIN BRAINARD CADY, *Music*; RALPH CURTIS RINGWALT, A.B., LL.B., *English and Political Science*; WALTER BOUGHTON PITKIN, A.B., B.D., *Philosophy*; CHARLES GALWEY, A.B., *English*; ALBIN HERMANN BEYER, C.E., *Surveying and Structures*; ALLEN M. KNOWLES, B.C.E., *Applied Mechanics*; GEORGE E. CLARKE, *Manual Training*; ATTO V. HUMANN, *Fine Arts*; ELIZABETH G. BALDWIN, *Library Economy*; MICHAEL MARKS DAVIS, Jr., Ph.D., *Political Science*; LOUIS EUGEN JALLADE, *Architecture*; CLARENCE HUDSON WHITE, *Fine Arts*; WALTER GEORGE WHITMAN, A.B., *Chemistry*; THEODORE C. MITCHILL, A.M., *English*; JOHN FRANKLIN BROWN, Ph.D., *Education*; PHILANDER PRIESTLY CLAXTON, M.A., *Education*; FAYETTE B. DOW, A.B., *English*; SARAH JANE FREEMAN, A.B., *Manual Training*; NATHANIEL E. GRIFFIN, Ph.D., *English*; GEORGE A. HUBBELL, A.M., *Education*; JAMES P. LICHTENBERGER, A.M., *Politics*; ALFRED W. MARTIN, A.M., *English and History*; JESSIE B. RITTENHAUS, *English*; STUART HENRY ROWE, Ph.D., *Education*; JAMES L. STOCKTON, A.M., *Education*; JOSEPH J. TYNAN, A.M., *English*; DAVID M. UPDIKE, M.E., *Applied Mechanics*; CLAUDE F. WALKER, Ph.D., *Analytical Chemistry*; FRANCIS J. WHITE, E.E., *Electricity*.

GENERAL STATEMENT

1. Extension Teaching is defined by the Statutes of the University as instruction given by University officers and under the administrative supervision and control of the University, either away from the University buildings or at the University, for the benefit of students not able to attend the regular courses of instruction.

Extension Teaching is under the immediate supervision of an Administrative Board and the Director of Extension Teaching. The relation of Extension Teaching to the other work of the University is subject to the jurisdiction of the University Council.

Extension Teaching facilitates and directs instruction for students not in academic residence by means of various courses of instruction given at special times and places, both at the University and elsewhere. The University thus offers to men and women, especially to those engaged in teaching, who can give only a portion of their time to study, an opportunity to pursue some subjects included in a liberal

education, and to make progress, if they so desire, towards a diploma in teaching or an academic degree.

2. Subject to the general authority of the University Council, the weight to be attached to attendance upon an Extension course on the part of a student who subsequently makes application to be admitted to candidacy for a degree or diploma is fixed by the appropriate Faculty or Administrative Committee.

COURSES OF INSTRUCTION

The courses offered by Extension Teaching are as follows:

I—Collegiate Courses. These are courses that repeat at special hours or places the courses in liberal studies offered in the colleges of the University—particularly Columbia College and Barnard College. These are given, one or more hours weekly, during the college year, for thirty weeks of actual instruction. They are given in the same manner, and often by the same instructors, as the corresponding courses in the Colleges. University credit, when granted, attaches to these courses as to courses of instruction in the Colleges.

II—Professional and Technical Courses for Teachers. These are courses offered in coöperation with Teachers College, both at the University and in local centres to teachers in active service, who can avail themselves of these courses to get instruction in the psychology, history, and principles of education, special methods of teaching, particularly in elementary work, and technical instruction in the fine and manual arts.

III—Evening Technical Courses. These are courses given with the coöperation of the School of Applied Science and the School of Architecture of the University, and certain technical departments of Teachers College. They are intended to meet the requirements of technical and professional workers who desire to get instruction at night from University instructors in technical courses modified to their particular needs.

IV—Lecture Courses. These are short courses of lectures which are not accepted towards the fulfilment of requirements for degrees or diplomas. They are intended for general audiences, and are given only in local centres.

Students attending courses at the University pay usually at the rate of \$10 for each course of one hour a week for thirty weeks. In local centres they pay the fee determined by the local centre. Courses given in local centres usually cost the centre from \$260 to \$500 for a credit course, and \$90 to \$150 for a lecture course, the difference depending on the difficulty of the course and the rank of the lecturer.

For detailed information as to the places and hours for these courses both at the University and at the several local centres, the qualifications for admission, the regulations for registration, candidacy for degrees and diplomas, attendance and examinations, the fees prescribed, and for a statement of each course offered, see the *Announcement of Extension Teaching, 1908-09*, which may be obtained without charge upon application to the Secretary of the University.

COLLEGIATE AND PROFESSIONAL COURSES

For 1908-09 credit courses are offered to non-matriculated students and to matriculants who obtain permission of their dean, as follows:

SUBJECT	NUMBER OF COURSES	SUBJECT	NUMBER OF COURSES
Anthropology.....	1	Geography.....	1
Architecture.....	1	German.....	9
Biblical Literature.....	6	History.....	6
Botany.....	2	Kindergarten Education	5
Chemistry.....	3	Manual Training.....	2
Comparative Literature	1	Mathematics.....	3
Economics and Social		Music.....	10
Science.....	1	Philosophy.....	4
Education.....	4	Romance Languages	
English.....	19	(French 3, Italian 1,	
Fine Arts.....	6	Spanish 2).....	6

TECHNICAL COURSES

The following evening courses are offered at the University:

Applied Mechanics.....	5	Fine Arts.....	2
Applied Physics.....	1	Manual Training.....	1
Architecture.....	3	Mathematics.....	2
Chemistry.....	2	Surveying and Struc-	
Electricity.....	2	tures.....	5

LECTURE COURSES

For 1908-09 the following lecture courses, each having usually six lectures, are offered for delivery at the invitation of local centres:

SUBJECT	NUMBER OF COURSES	SUBJECT	NUMBER OF COURSES
Architecture.....	8	Law.....	1
Astronomy.....	2	Manual Arts.....	2
Celtic.....	1	Metallurgy.....	1
Chemistry.....	3	Music.....	17
Comparative Literature	2	Philosophy.....	3
Domestic Science.....	4	Physics.....	1
Education.....	10	Political Science.....	13
English.....	22	Politics.....	1
Fine Arts.....	6	Romance Languages	
Geography.....	4	(French 8, Italian 3,	
German.....	8	Spanish 3).....	14
History.....	11	Zoölogy.....	2
Indo-Iranian.....	5		

DEGREES CONFERRED DURING 1907-08

COLUMBIA COLLEGE

Bachelor of Arts

TOM MACKENZIE ALEXANDER	NATHANIEL STANISLAUS HOYT
RICHARD FRANZ BACH	GEORGE WASHINGTON JAKUES, JR.
GEORGE JARDINE BAGLEY	JOHN LEONARD KANTOR
LEE HERBERT BERLINER	WILLIAM ALVIN KELLOGG, JR.
ABRAHAM BESSIE	ALFRED JOYCE KILMER
PAUL BILLINGSLEY	ROBERT FREDERICK LAU
IRVING MORTIMER BLOOM	BERTRAM LEVY
ISIDORE BLOOM	ALBERT ERNST LOBECK
VINCENT CHARLES BONNLANDER	WINFRED SCRIBNER MABEE
KITCHELL MONCKTON BOORMAN	WILLIAM JOHN MACGREEVY
WILLIAM GAGE BRADY, JR.	ROBERT PALMER MARSHALL
CLEMENT S. BRAININ	WALTER BERNARD MILKMAN
WALTER GEORGE BRANDLEY	ROBERT M. MILLER (October 1)
ABRAHAM BRILL	WALTER SANDS MILLS, M.D. (October 1)
BARNARD SAWYER BRONSON (February 3)	RALPH WHITNEY MOCKRIDGE
FRANK E. BURKHALTER	AUSTIN P. MONTGOMERY
CARLO D. CELLA	WILLIAM DEACON MURPHY
ALBERT BERNARD CHEADLE	WILLIAM BURGESS OSTERHOUT, JR.
CLARENCE ORION CHENEY	ARTHUR HAMILTON OTIS (February 3)
HYMAN COHEN	HAROLD PALMER
MICHAEL MARTIN COHN	JOSEPH PERLING
KENNETH BENEDICT COLLINS (February 3)	HAROLD PERRINE (February 3)
RICHARD GÉNÉE CONRIED	DANIEL POLL
VICTOR WILLARD CUTTING	EDWARD EVELYN PORTER
IRVING COMES DEMAREST	JAMES FREDERICK PRINCE
MAX DROB	GERARD ALSTON REICHLING
WILLIAM EASTMAN	MARVIN RICE
MAURICE EPSTEIN	FRED HAMILTON RINDGE, JR.
GEORGE BRUCE FINE	GAILLARD SHERBURNE ROGERS
HARRY POTTER FISH	ANTHONY JESSE ROMAGNA
HAROLD FOWLER	WALTER JOSEPH ROSE
IRVING JOSEPH FOX	FRANK ROSENBLATT (October 1)
HAROLD MILTON GOLDBLATT	MARCUS A. ROTHSCHILD
MORRIS GOODKIND	EDWARD CURTIS ROUSE
ERNEST FREEBLAND GRIFFIN	LOUIS JAMES SAN
JACOB GROSSMAN	THOMAS GAETAN SESSA
ROBERT HERMAN HAGEMANN, JR.	AGHASIE SHIMMON
ELWOOD JULIUS HARLAM	IRA SKUTCH
ALFRED HERRMANN	JOHN EYRE SLOANE
BENEDICK RUSSELL HERTS	JOSEPH STEINER
MORTIMER HENRY HESS	FRANK ROBERT SWARTWOUT
FREMONT AMASA HIGGINS	EDWARD BENJAMIN TOWNSEND (February 3)
ALEXANDER HOLTZOFF	ADDISON ALLEN VAN TINE

FOSTER WARE
PAUL WEAVER
JOHN NEVILLE WHEELER
CLARENCE EDWARD WINCHELL
[94]

PAUL WILLIAM HENRY WINDELS
LOUIS ERNST WOLFERZ
WILLIAM LAWRENCE WOOD
WALTER BLIGH WOODBURY

Bachelor of Science

EDWIN MONTEFIORE BORCHARDT
LINDEN WENTZEL BRIDGEMAN
SAMUEL ALEXANDER FUCHS (October 1)
GEORGE FREDERICK GILBERT
MICHAEL HEIDELBERGER
FREDERIC GARRABRANT KISER
GROVER CLEVELAND LOENING
[15]

HYMAN RUDOLPH MILLER
ROYAL FREEMAN NASH
JOHN CLEMENT NEGUS
LATHAM RALSTON REED
HARRY RIEGEL
MARSHALL ROBIE
SAMUEL M. SHACK (October 1)
JACOB WINFORD STAYTON

BARNARD COLLEGE

Bachelor of Arts

IRMA ALEXANDER
ELIZABETH ALLEN
CLAIRETTE PAPIN ARMSTRONG
LAURA JULIA ARMSTRONG
LEONORA LOUISE ARMSTRONG
ALMA ASH
DORA ASKOWITH
MARY CHARLOTTE AXT
ELIZABETH MITCHELL BACK
LURA ELLA BEAM
ROSE BECKMAN
BESSIE ANDREWS BEERS
MARTHA TRACY BOARDMAN
THORBORG MARIE BRUNDIN
ANNA COOLEY BRUSH
MARY HORNOR BUDDS
EDITH BURROWS
ALICE MARGARET BUSHONG (October 1)
MARY AGNES CASEY
ELSIE RIPLEY CLAPP
JOSEPHINE SOPHIE CLARK COOKE
REGINA COVENEY
ELEANOR WOODWORTH CRAIG
MARION BARTON CROWELL
MARY ELEANOR CURRAN
MARY ESTHER DANIELS
ELEANOR AGNES DWYER
MARJORIE MCCLINTOCK EASTMAN
CLARA CECILIA EATON
DOROTHEA ELTZNER
FLORENCE CORNELIA ERNST
ETHEL GRACE EVERETT
EDITH FERNS
CORNELIA ANDREWS FLACK
ELIZABETH FREEMAN FOX
HELEN RENWICK GLEN

MARGARET DORIS GOLDE
HELEN YOUNG GRAY
MARTHA ELEANOR HAMIL
LILLIAN HEIM
ESTHER BELLE HELLIN
ELSIE WINIFRED HELMRICH (February 3)
ALICE LEAH HERSHFELD
MARTHA ADELE HOERMANN
JESSIE FERGUSON HOUSTON
ELEANOR HUFELAND
MARIE AUGUSTA HUFELAND
ELEANOR CARY HUNSDON
HELMINA JEIDELL
HELEN LOEB KAUFMANN (February 3)
JEANETTE HELLMAN KAUFMANN
ANNA MILDRED KERNER
MAUDE IRENE KLEIN
EVELYN BLUNT MACDONALD
AGNES MARGARET MARSHALL
MARY OSBORN MARSHALL
FLORENCE JOSEPHINE MASTIN
MARY MAXON
HENRIETTE SEARING MESSENGER
MARY AGNES MILLER
ESTHER MOREHOUSE
ADA HERMINIE MULLER
MARY WASHBURN MURTHA
MARGUERITE CORLIES NEWLAND
ELLEN KATHRYN O'GORMAN
PORTIA PATTEN
MABEL LOUISE PETERSON
WILMA VERA POLLAK
JOSEPHINE ANNA PRAHL
ELSIE MAY QUIMBY
MAY KATHERINE QUINN
ELSA REHMANN

ADELAIDE REQUA
EDITH CUSHING RICHARDSON
OLIVE LEAH ROE
LILLIAN ROSANOFF (February 3)
ANNIE ROTHENBERG
FLORENCE GERTRUDE SAMMET
LINDA BELLE SAVITZ
ETHEL BELL SCHRAMM
CECILIA MINNA SILLCOX
GERTRUDE ROSE STEIN
PAULINE STEINBERG
MARGUERITE JULIE STRAUSS
(97)

LOUISE MAY TATTERSHALL
LOUISE TRAITEL
ELIZABETH ALDEN SEABURY TREDWELL
ANNIE GRACE TURNBULL
HELEN IDA VEITH
HILDA ELIZABETH WELLES
GERTRUDE WELLS
MARIAN WILSON
FLORENCE MARTHA WOLFF
CATHARINE BUCKINGHAM WOOLSE
MARGARET HALL YATES
JENNIE MARIE YOUNG
ELIZABETH CATRYN ZANGLER

Bachelor of Laws

EDWARD NORMAN ABBEY, A.B.
ALBERT ASTON, A.B.
HENRY GARRETT BEDINGER, A.B.
MORRIS HENRY BERNSTEIN, A.B.
EUGENE LYONS BONDY, A.B.
JOHN NEVILLE BOYLE, A.B.
WILLIAM SIDNEY BRYANT, JR., A.B.
CHARLES STONE BULKLEY, A.B.
LESTER CHARLES BURDETT, A.B.
CHARLES KELLOGG BURDICK, A.B.
JAMES LEO CLARE, A.B.
LOUIS DUPREE CLINKSCALES, A.B.
ISIDORE COHN, A.B.
WILLIAM JOSEPH DONOVAN, A.B.
GEORGE ADAMS ELLIS, A.B.
EARLE FARWELL, GRAD. U. S. N. A.
JOHN ELGIN FETZER, A.B.
ARTHUR FRANK, B.S.
GOELET GALLATIN, A.B.
WILLIAM MONTAGUE GEER, JR., A.B.
WALTER G. GOOLDY, A.B.
RALPH GWINN, A.B.
JAMES JOSEPH HOGAN, A.B.
MAURICE HYMAN, A.B.
SAMUEL STANLEY ISAACS, A.B.
JULIUS KENDLER, A.B.
CLARENCE B. KING, A.B.
[55]

JOHN ALBERT LAING, A.B.
ELLIS WILLARD LEAVENWORTH, A.B.
ROBERT LEROY, A.B.
HERBERT McKENNIS, A.B.
ALBERT EDWARD MAVES, A.B.
HARRY FERDINAND MELA, A.B.
HAROLD MILBANK, A.B.
MARK DEMING NAVE, A.B., A.M.
WILFRED ADOLPHE OPENHYM, A.B., A.M.
WALTER MATTHEW PALMER, A.B.
WILLIAM FREDERICK PETER, JR., A.B.
WILLIAM REDFIELD PORTER, A.B., A.M.
FREDERICK JAMES POWELL, E.M.
NELSON STUDEBAKER RILEY, A.B.
RALPH ERNEST ROGERS, A.B.
EDWARD COSBY ROY, A.B., B.S.
CHARLES RUNYON, A.B.
SAMSON SELIG, A.B.
LOUIS M. SHAPIRO, B.S.
BARNARD LLOYD SHIENTAG, A.B.
ALEXANDER BERNARD SIEGEL, A.B.
GEORGE WINSLOW STUDY, A.B.
JAMES ALBERT TAYLOR, A.B.
JESSE WEIL, A.B.
FRANK CORDAY WELLES, LL.B.
MASON WHEELER, A.B.
FREDERICK PRESCOTT WHITAKER, A.B.
CHARLES LAIDLAW WILLIAMS, A.B.

Doctor of Medicine

JACOB AXELRAD, B.S.
JULES BAECHLER, A.B. (October, 1907)
MAX BAEGEL
GEORGE BAEHR
NATHANIEL BARNETT
EDWIN CASSIUS BATES
STUART BANYAN BLAKELY, A.B., A.M.
AARON SAMUEL BLUMGARTEN
HARRY WALDEMAR BOICE (October, 1907)
WESLEY CREVELING BOWERS, A.B.
EDWARD CHRISTOPHER BRENNER, A.B.
FRANCIS EARL BROWN, B.S.
EVERETT GARNSEY BROWNELL, A.B.
RUSH PEARSON BURKE, B.Sc., M.Sc.
THOMAS WARD BURNETT
ISIDRO HERRERA CANTO, B.S.
GASTON ARTHUR CARLUCCI
ALFRED FREDERICK CASSEBBER

HERMAN CÆSAR CASSINI	BENJAMIN MICHAILOVSKY, B.S.
MORRIS SOLOMON CORLE, A.B.	WILLIAM WRIGHT MITCHELL, M.D.
JOHN RALPH COMMORATO	OTHO LEE MONROE, B.S.
LIONEL ELWOOD DUDLEY, A.B.	ARTHUR NILSEN, A.B.
ANTONIO ESPINOSA (October, 1907)	CYRUS LONG PERSHING, B.S.
JOHN RAYMOND FARRELL	CHARLES HUNT PORTER, JR., A.B.
JOEL WILLIAM FELDMAN	EDWIN GEORGE RAMSDELL, A.B.
FRANCISCO MARIA FERNÁNDEZ Y HERNAN-	DUDLEY BILLINGS REED, A.B.
DEZ, B.S.	WILLIAM HAWLEY ROBERTS
RALPH PARKER FOLSOM, A.B.	PAUL ROCKEY
HARRY CHRISTIAN FULDA	CLARENCE TYLEY ROOME, A.B.
SIDNEY FURST, B.S.	WILLIAM CLOUD RUTLEDGE, A.B.
SAMUEL HERBERT GEIST, A.B.	SAMUEL SCHAEFFER
LOUIS GELB	ARMIN JOSEPH SIBBEL, A.B.
ABRAHAM GOLDBERG	WALTER MANDEVILLE SILLECK, B.S.
ARTHUR COON GRAVES	IRVING SIMONS, B.S.
JOHN HENRY GRAY	FRANCIS JOHNSTON SLOANE, A.B.
LOUIS GREENBERG, B.S.	WILLARD BURR SOPER, A.B.
ANDREW HENRY HANGARTER, A.B., A.M.	ARCHIBALD MCINTYRE STRONG, A.B.
VINCENT SUMNER HAYWARD	MILLS GOVE STURTEVANT, A.B.
CHARLES GEORGE HEBERMANN, JR., A.B.	FRANK WASHINGTON TARBELL, A.B.
GEORGE HOPPIN HUMPHREYS, Ph.B.	GRENELLE BERTRAM TOMPKINS, A.B.
J. JAY HUNT	MAXIMIN DEMOUY TOUART, A.B., A.M.
TRAVIS JAMES AUGUSTUS JOHNSON, A.B.	PAUL AKERS TURNER, A.B.
SAMUEL KLEINBERG	LEROY BENJAMIN VAIL, B.S.
ISSAC GOLDE KRAMER, B. S.	WILLIAM TRULOCK WARD
OTTO HERMAN LEBER, A.B.	ANTONIO JOHNSTON WARING, A.B.
ISADORE JESSE LEVEY, Ph.B.	HARRY WESSLER, A.B.
SAMUEL JOSHUA LITTENBERG, A.B.	ALLEN OLDFATHER WHIPPLE, B.S.
CHARLES ALOYSIUS MCCARTHY	GEORGE CROSIER WHITNEY, A.B.
RICHARD JOHN MCCLUSKEY	HENRY HERBERT YERINGTON
CORNELIUS STAFFORD MCLEAN	ANIBAL ZELAYA

(81)

Engineer of Mines

WILLIAM STEPHEN BATES, A.B.	DOUGLAS WEBSTER JESSUP
CHARLES JOSEPH COHN, B.S.	LEWIS MEREDITH JONES
HENRY FARMER DAVIS	HAROLD FREDERICK KING (October 1)
ALFRED AUSTIN DIER	LUTHER LYCURGUS KIRTLEY, B.S.
OLIVER KEESE DOTY	KARL PAUL KRUEGER (February 3)
FLETCHER GARDNER DOWNS, A.B.	EUGENE HOOKER LEANING, A.B.
RUSH GILLAN ESTEE	OSWALD MARK LEWYN
HORACE REYNOLDS GRAHAM	ALBERT LINDO (October 1)
CARL EWALD GRUNSKY, JR. (October 1)	KARL ERNEST LLOYD, A.B.
SALI HOCHSCHILD, Equiv. A.B. (October 1)	ELMER BARBER MCCARTNEY
MANFRED THEODORE HOSTER	WILLIAM TOWNLEY MACDONALD
JOSEPH MAUGHAN HOWELL (February 3)	CHARLES MENTZEL, B.S. (October 1)
ALLAN HILDRETH HUBBELL	JOHN BAGOT OVERBEEK, A.B.
FRANCIS JACOB HUNTZICKER	ROBERT MATSON PERRY, A.B.
MARCUS LATIMER HURLEY	PERCY LLEWELLYN ROBERTS

[30]

Metallurgical Engineer

FREDERICO LAGE (February 3)	ANDREW WHITE NEWBERRY
[3]	GEORGES ROCOUR (October 1)

Civil Engineer

ADDISON COOKE ARMSTRONG	WILLIAM MENKE
GROVER HARTMANN BODE	JOSÉ G. MENOCAL, A.B.
WILLIAM HAMLIN BOSWORTH (October 1)	VICTOR MISHKIN
FRANCIS BONNER FORBES, A.B.	ARTHUR CECIL FOX PERRY
THOMAS AUGUSTINE FRAHER	HARRY CHARLES PESHKIN
CHARLES LINCOLN HALL	JACOB BENJAMIN ROTHBERG
ARTHUR KRAUS	MARCO CARMELICH SMITH, JR.
HENRY ANDREW KRÖGER	HAROLD ALLEN THOMAS, A.B.
DANIEL HENRY LAMKE	WILLIAM WILSON
WILLIAM ROBERT MARSHALL	JOHN JOSEPH YOUNG

[20]

Electrical Engineer

HANFORD CURTIS ADAMS, A.B.	EDWARD CROSBY JONES
HARRY BAUM, B.S.	HARRIS TRAILL LUSCOMB
WILLIAM ROUCHFUSS BOWES	ALECK MORTON MACCUTCHEON
MARIO GEROLAMO CARBONE, Mech.E.	PAUL J. MACCUTCHEON, Pd.B.
WALTER MAXWELL CARLEBACH (February 3)	THEODORE EMIL MERKLINGER (October 1)
FREDERICK WILLIAM CRECELIUS	CHESTER LEONARD REIZENSTEIN
HENRY EDWIN FARRER (February 3)	BENJAMIN SERHEY
ZACH POWER HALPIN (October 1)	WILLIAM J. P. SIMPSON
FREDERICK WILLIAM HEHRE	GEORGE WILLIAMSON
CLAUDE JOSEPH HOLSLAG	JAMES ELIJAH WILSON, Ph.B.
[21]	CHARLES WOTICKY

Mechanical Engineer

CAMILLO ANDREI	LEONARD FLAGGE OTTEN, A.B.
FREDERICK JOHN BYRNE	WILLIAM LENT STARBUCK
WILLIAM PIERSON COOK, JR.	LAWRENCE CULLMAN STIX
GEORGE EDWIN CRAWLEY	EVERETT WILES SWARTWOUT
RUTHERFORD STITT FELTER	AUGUST ULMANN, JR.
GEORGE WAYLAND HOYNES	THOMAS CARLYLE WOOD

[12]

Bachelor of Science in Chemistry

CARL G. AMEND	EDWARD CALVIN KENDALL
PERCY ALBERT BOECK (October 1)	PHILIP GEORGE NIEDER (February 3)
ALBERT FIEDLER	DORIS WILLIAM WHIPPLE, Ph.G.
HENRY A. HAMMERSCHLAG (October 1)	RICHARD GRANT WILLIAMS
[9]	WILLIAM SPRAGUE WINSLOW

Bachelor of Science in Architecture

CYRUS YALE BISSELL	HENRY CHARLES OBERLANDER
RALPH DUDLEY	GEORGE ARTHUR PALLISER (October 1)
WILLIAM CARSON FRANCIS (February 3)	EDWARD JOHN STORK (February 3)

[6]

Certificate of Proficiency in Architecture

[1]

ROBERT VAN LOAN HAXBY

Bachelor of Science in Education

ALDEN HAROLD ABBOTT	ELIZABETH FRANCES JOHNSON
ETHELWYNNE MARY ADAMSON	ADELE MAY JONES
LAURA ALLEN	HARRIET LOUISE JONES
FRANK JOHN APPEL	KATHERINE HESTER KELLY
GRACE JAQUESS BAERD	ELSA KIRCHBERGER
BYRON WARREN BAKER	MARTHA CLAUSS-KIRSTEN (October 1)
DAISY ANNA BALL	CHARLES LOUIS KLEIN
SUSIE BARNES	EDNA AMELIA KRENNING
HARRY KENDALL BASSETT	ANNA ELIZABETH KUESEL
CLARA RACHEL BENNETT	HARRY LEVENE
RACHEL BERGAMINI	LEON JOHN K. LEVONIAN
MINNIE ESTELLE CLAYPOOLE	LAURA REBECCA LOGAN
EUGENE ALOYSIUS COLLIGAN	JAMES HARVEY MCCLOSKEY
JANE RAFTER CONDIT	ELIZABETH BROWNE MCCLAUGHLIN
FRANCES HAMILTON CONSALUS	THEODORE LEANDER MACDOWELL
HELEN ELIZABETH COOPER	EGBERT EUGENE MACNARY
CAROLYN ROBERTA CRAIG	CATHERINE LORETTO MADDOCK (October 1)
ÉLISE BREUCHAUD CUNNINGHAM (Feb. 3)	MAUD LOUISE MARREN
MARY KING DANIEL	MARY LA MOTTE MARTIN
MARTHA GROSVENOR DAVIS	KATE JULIETTE MASON (October 1)
ETHEL PEARL DULLAM	VALERIA INEZ MERRILL
MABEL DUNLAP	MINNA MCEUEN MEYER
GERTRUDE EARHART	WILLIAM AUGUSTINE MILLER (October 1)
EDWARD I. EDGERTON	LEWIS SPRAGUE MILLS
AUSTIN SOUTHWICK EDWARDS	MARIANNE MITCHELL
ANNA EMMA EVERSON	DAVID A. MODELL
EDNA VAUGHAN FISHER	GEORGE DOLSON MOORE
GRACE FISHER	ELEANOR ALATHA MORROW
MARIE DELPHINE FRÉCHETTE	ADA M. OLIPHANT MURDOCH
LEO FREEDMAN	NEWMAN ELIAS NELSON
LETTIE LUCIE FRIESS	ESTELLE CECILE NESSLER (February 3)
HELEN FRISHE	ROBERTA NEWELL
AARON GALEWSKI	JANE HERBERT NICHOLSON
SARA ELIZABETH GALT	KJERSTEN NIELSEN
MINNIE MAUD GLIDDEN	GEORGE EDWARD O'KANE
AMY ALLISON GRANT	ELEANOR PARMENTER
DAISY GRACE GREENWOOD	ETHEL ROSE PEYSER
IDA AMBERMAN GROVER	WILLIAM DENTON POLLOCK
ELLA HAAS	MARY CORNELIA RAINEY
MARION HAKES	DAVID RAPOPORT
ALMA BALLIN DE B. HARKNESS	GRACE ELIZABETH RIBLET
MAMIE M. HASSEBROEK	HESTER RIDLON
HARRIET HAWLEY	LAURETTA FRANCES RIESTER
MAUD ELLEN HAYES	GERTRUDE LOUISE RINEHART
GERTRUDE MARY HEAPHY (February 3)	GRACE ELFLEDA RUSSELL
CORNELIUS J. HEATWOLE	ETHEL MAY SCHUREMAN
ANNA LAURA HENDERSON	GEORGE MAX SEGLIN
HELEN LIDA HODGE	ROBERT WASHINGTON SELVIDGE
ROBERTA HODGSON	EDNA L. SKINNER
FLORENCE LOUISE HOWARD	CHARLES FEDERICK SMITH
ELIZUR WARD IRELAND	EDWIN BERT SMITH
ELLEN HUNT JACKSON	ELIZABETH LOUISE STEINBRENNER
WILLIAM JANSEN	JOHN WALTER STOCK
BERTHA JENNEY	AURY SNEDEKER STODDARD
ASADOUR JOHN JINISHIAN	ETHEL KATHERINE STREIBERT

ANNIE MARTHA SWARTZ
 EMILIE TOWNSEND
 EDITH VERY (February 3)
 EDNA RENARD VOSS
 PHEBE MARSHALL WALLER
 [120]

FLORENCE LOUISE WEEKS
 WINIFRED WILCOX
 ALBERT CLARK WILLSON (February 3)
 VERONICA L. WOLFE
 ELSIE WOODSON

Doctor's Diploma in Education

HERBERT THOMAS JOHN COLEMAN
 LIDA BELLE EARHART
 [5]

ALBERT ALEXANDER SNOWDEN
 CLIFF WINFIELD STONE
 HARLAN UPDEGRAFF

Master's Diploma in Education

THOMAS AGNEW, JR.
 AUGUSTA HOPLEY AKIN (February 3)
 WILLIAM CARL ROBERTSON ANDERSON
 ARMIN AUSLANDER
 ARCHIBALD WATSON BAIN
 FRED JACOB BECKER
 FLORENCE ADELLE BIXBY
 LOUIS BENJAMIN BLAN
 RUTH LAVINA BROADHURST
 CAROLINE CHAMBERLIN
 ABRAM ELZA CHRISLIP
 FLORA LOUISE CUTTING
 HARVEY PETER DOLE
 JAMES JARVIS DOSTER
 EDMUND THOMPSON DUFFIELD
 CHARLES HERBERT ELLIOTT
 CLARA ELSA FRANK
 SUSAN DICKINSON HUNTINGTON
 WALLACE FRANKLIN JONES
 JOHN ALBERT KALB
 ADELINA KUHN
 MICHAEL HENRY LUCEY
 MARY GERTRUDE MCCORMICK
 MILO FRANCIS McDONALD
 PIERINA McLAUGHLIN
 [51]

ELIZABETH FRANCES MASCORD
 CHARLES SIMPSON MEEK
 CHARLES AUGUSTUS PAUL NEWMAN
 EMILY MILLER PIERSON
 DELMAR T. POWERS
 ROBERT HUNTINGTON PROCTOR
 MARY AMELIA PROUDFOOT
 MARY PHELPS PUTNAM
 JOSEPH AMBROSE REED
 IRA RICHARDSON
 EDWARD DODSON ROBERTS
 HUGH SHAW ROBERTSON
 GERTRUDE FRANCES ROWELL
 ELIZABETH RUSK
 MORRIS ELY SIEGEL
 HAROLD FRED SMITH
 LOUISE SMITH (February 3)
 ROMIETT STEVENS
 ETHEL SWAIN
 SAMUEL HENRY THOMPSON
 KATHARINE HART TOBEY
 TYLER ELLIOTT UTTERBACK
 MARION LEE WEBSTER
 GUY FRED WELLS
 ELIZABETH DUN YOUNG
 ETHEL MAY YOXALL

Bachelor's Diploma in Education

ALDEN HAROLD ABBOTT (History)
 ETHELWYNNE MARY ADAMSON (Domestic Science)
 LAURA ALLEN (Primary Supervision)
 FRANK JOHN APPEL (German)
 ELIZABETH MITCHELL BACK (Mathematics)
 GRACE JAQUESS BAERD (English)
 BYRON WARREN BAKER (Elementary Supervision)
 DAISY ANNA BALL (Mathematics)
 SUSIE BARNES (English)

HARRY KENDALL BASSETT (English)
 CLARA RACHEL BENNETT (Primary Supervision)
 MAME SEELEY BENNETT, A.B. (Latin)
 RACHEL BERGAMINI (Educational Administration)
 BEATRICE MOLLIE BERNKOPF, A.B. (Kindergarten)
 ANNA COOLEY BRUSH (Mathematics)
 MINNIE ESTELLE CLAYPOOLE (English)
 AMELIA COHEN, A.B. (Domestic Science)
 (February 3)

- EUGENE ALOYSIUS COLLIGAN (History)
 JANE RAFTER CONDIT (Biology)
 HELEN ELIZABETH COOPER (Domestic Science)
 CAROLYN ROBERTA CRAIG (Domestic Art)
 ELISE BREUCHAUD CUNNINGHAM (English and History) (February 3)
 EVA ELISE CURTISS (Latin)
 MARY KING DANIEL (English)
 MARTHA GROSVENOR DAVIS (Mathematics)
 ETHEL PEARL DULLAM (Primary Supervision)
 MABEL DUNLAP (Domestic Art)
 ELEANOR AGNES DWYER (History)
 GERTRUDE EARHART (Elementary Supervision)
 CLARA CECILIA EATON (Mathematics)
 EDWARD I. EDGERTON (Mathematics)
 AUSTIN SOUTHWICK EDWARDS (Manual Training)
 ANNA EMMA EVERSON (Biology)
 EDITH FERNS (Mathematics)
 EDNA VAUGHAN FISHER (English)
 GRACE FISHER (Domestic Science)
 MARIE DELPHINE FRÉCHETTE (French)
 LEO FREEDMAN (German and Latin)
 LOTTIE LUCIE FRIESS (German)
 HELEN FRISHE (Primary Supervision)
 AARON GALEWSKI (History)
 SARA ELIZABETH GALT, A.B. (History)
 MINNIE MAUD GLIDDEN (Kindergarten)
 AMY ALLISON GRANT (English)
 DAISY GRACE GREENWOOD (English)
 IDA AMBERMAN GROVER (English)
 ELLA HAAS (Domestic Science)
 MARION HAKES (Physical Science)
 ALMA BALLIN DE B. HARKNESS (French)
 LOIS KATHERYN HARTMAN, B.S. (Domestic Science)
 MAMIE M. HASSEBROEK, B.S. (Domestic Science)
 HARRIET HAWLEY (English)
 MAUD ELLEN HAYES (Kindergarten Supervision)
 GERTRUDE MARY HEAPHY (Elementary Supervision) (February 3)
 CORNELIUS J. HEATWOLE (Elementary Supervision)
 ANNA LAURA HENDERSON (Elementary Supervision)
 HELEN ALICE HOCHHEIMER, A.B. (Kindergarten)
 HELEN LIDA HODGE (Manual Training)
 ROBERTA HODGSON (English)
 JESSIE FERGUSON HOUSTON (Mathematics)
- FLORENCE LOUISE HOWARD (History)
 ELEANOR HUFELAND (Mathematics)
 MARIE AUGUSTA HUFELAND (Latin)
 ELIZUR WARD IRELAND (History)
 ELLEN HUNT JACKSON (Latin)
 WILLIAM JANSEN (Mathematics)
 BERTHA JENNEY (Domestic Science)
 ASADOUR JOHN JINISHIAN (Secondary Education)
 ELIZABETH FRANCES JOHNSON (Domestic Science)
 ADELE MAY JONES (Domestic Art)
 HARRIET LOUISE JONES (Elementary)
 KATHERINE HESTER KELLY (English)
 ELSA KIRCHBERGER (German)
 MARTHA CLAUS-KIRSTEN (French and German) (October 1)
 CHARLES LOUIS KLEIN (History)
 EDNA AMELIA KRENNING (English)
 ANNA ELIZABETH KUESEL (German)
 HARRY LEVENE (Mathematics)
 LEON JOHN K. LEVONIAN (Biology)
 NELLIE LODGE (Biology)
 LAURA REBECCA LOGAN, A.B. (Hospital Economics)
 JAMES HARVEY McCLOSKEY (Manual Training)
 ELIZABETH BROWNE McLAUGHLIN (Domestic Science)
 THEODORE LEANDER MACDOWELL (Elementary Supervision)
 MAUDE LOUISE MARREN (English)
 AGNES MARGARET MARSHALL (English)
 MARY LA MOTTE MARTIN (English)
 VALERIA INEZ MERRILL (German)
 MINNA McEVEN MEYER (German)
 WILLIAM AUGUSTINE MILLER (English) (October 1)
 LEWIS SPRAGUE MILLS (Elementary Supervision)
 MARIANNE MITCHELL (Fine Arts)
 DAVID A. MODELL (English)
 GEORGE DOLSON MOORE (Mathematics)
 ELEANOR ALATHA MORRISON (English)
 NEWMAN ELIAS NELSON (Manual Training)
 ESTELLE CECILE NESSLER (Domestic Art and Science) (February 3)
 ROBERTA NEWELL (Mathematics)
 JANE HERBERT NICHOLSON (Primary Grades)
 KJERSTEN NIELSEN (Primary Grades)
 GEORGE EDWARD O'KANE (Grammar Grades)
 ELEANOR PARMENTER (History)
 ETHEL ROSE PEYSER (Domestic Science)

WILLIAM DENTON POLLOCK (English)	CHARLES FREDERICK SMITH (Manual Training)
JOSEPHINE ANNA PRAHL (German)	EDWIN BERT SMITH (History)
MARY CORNELIA RAINEY (Primary Supervision)	PAULINE STEINBERG (Biology)
DAVID RAPOPORT (History)	ELIZABETH LOUISE STEINBRENNER (English)
GRACE ELIZABETH RIBLET (Fine Arts)	AURY SNEDEKER STODDARD (Physical Science)
EDITH CUSHING RICHARDSON (German)	JOHN WALTER STOCK (Latin)
HESTER RIDLON (Domestic Science)	ETHEL KATHERINE STREIBERT, A.B. (Domestic Science)
LAURETTA FRANCES RIESTER (Manual Training)	ANNIE MARTHA SWARTZ (Mathematics)
GERTRUDE LOUISE RINEHART (Domestic Art and Science)	EMILIE TOWNSEND (Elementary Supervision)
GRACE ELFLEDA RUSSELL (Domestic Art and Science)	EDNA RENARD VOSS (Mathematics)
ETHEL MAY SCHUREMAN, B.S. (Kindergarten)	PHOEBE MARSHALL WALLER (English)
GEORGE MAX SEGLIN (Mathematics)	FLORENCE LOUISE WEEKS (Mathematics)
ROBERT WASHINGTON SELVIDGE (Manual Training)	WINIFRED WILCOX (Primary Supervision)
EDNA L. SKINNER (Domestic Science)	ALBERT CLARK WILLSON (Elementary Supervision) (February 3)
	VERONICA L. WOLFE (Domestic Art)
	ELSIE WOODSON (History)

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Special Diplomas

HENRIETTE ADAMS	(Domestic Art) "
KATHLEEN MARIE ADAMS	(Manual Training)
ERNEST CLEAVES AMY	(Manual Training)
MARY ELLIFF BAKER	(Kindergarten)
MARY FLORENCE BALDWIN	(Domestic Science)
REVA BARANOFF	(Primary Grades)
NELLIE MARY BARNETT	(Manual Training)
HOWARD BERGTOLD BERRY (February 3)	(Manual Training)
ANNA LA TOURETTE BLAUVELT (Oct. 1)	(Manual Training)
ANNIE TAYLOR BREWER	(Elementary Supervision)
MARGARET DRYDEN BREWER	(Fine Arts)
ANNIE BENNETT BRIGGS	(Kindergarten)
NELLE CAMPBELL	(Domestic Science)
SUSAN EDITH CAMPBELL	(Manual Training)
VIOLA HORTENSE CAMPBELL	(Domestic Science)
MAJORIE CHAMBERLIN	(Fine Arts)
HELEN CLARK CHANDLER	(Fine Arts)
GLADYS COATES	(Domestic Art)
KATHERINE ANNA DECKER	(Hospital Economics)
LUCIA WILLIAMS DEMENT	(Fine Arts)
EMMA DENTON	(Domestic Science)
ELLA VICTORIA DOBBS	(Manual Training)
MABEL HARRISON DUNCAN	(Fine Arts)
ANNIE VREDENBURG DUNN	(Fine Arts)
ANITA MILLS EARL	(Domestic Art)
MARY JOSEPHINE EDWARDS, B.S.	(Domestic Science)
ALMA FEAGIN	(Grammar Grades)
MARY SLOAN FERRIGAN	(Domestic Art)
EDITH GERTRUDE GAMBLE	(Kindergarten)
CHARLOTTE GANO GARRISON	(Kindergarten Supervision)
KATHLEEN MARY HACKETT	(Physical Education)

ELIZABETH HARCOURT	(Hospital Economics)
NELLIE HARCOURT	(Physical Education)
STELLA CASE HARRIS	(Manual Training)
ANNA CLARISSA HARRISON	(Kindergarten)
ADA MARY CATHARINE HARTZELL	(Domestic Science)
ANNA GIBB HAYES	(Hospital Economics)
FLORENCE MARY HEALY	(Physical Education)
ANNA HEDGES	(Domestic Science)
EVA MARIA HENDERSON	(Domestic Science)
ETHEL MAE HOLLISTER	(Domestic Art)
ELSIE RUTHERFORD HORNE	(Domestic Science)
MARY BELLE HUBBARD	(Domestic Science)
EMMA WILHELMINA HUMFELD	(Domestic Art)
JANE AGNES HUMPHREY	(Domestic Science)
BLANCHE EVELYN HYDE	(Domestic Art)
HARRIETTE AUGUSTA INGALLS	(Primary Supervision)
MOLLIE SMEALLIE KELLY	(Domestic Science)
LOUISE KINGSBURY	(Domestic Art and Science)
VIRGINIA ROWLAND KIRBY	(Fine Arts)
HELEN MATILDA LARTER	(Kindergarten)
EVA VIOLA LEIBY	(Domestic Science)
ALMA IRENE LONG	(Domestic Art)
ELIZABETH MCKEEN	(Domestic Science)
ADELA ROBESY MACNEIL	(Fine Arts)
MYRA BELL MANLOVE	(Fine Arts)
ELIZABETH SANDILANDS MERRITT	(Primary Supervision)
MARTHA LOIS METCALF	(Domestic Science)
MARY EMMA MILLER	(Fine Arts)
MARY BRUNETTE FOSTER NASSAU	(Music)
DOROTHY MOTT NICHOLS	(Kindergarten)
MARIE LOUISE PINCKNEY	(Fine Arts)
INA KLOSKING PITNER	(Domestic Science)
KATHARINE CLARE REDMOND	(Physical Education)
CARRIE KURTZ REINHOLD	(Domestic Art)
LOUISE ELEANOR RICH	(Kindergarten)
FLORENCE SEELEY ROBBINS	(Fine Arts)
LULIE WILES ROBBINS	(Domestic Art)
MARY LILLIAN SABOURIN	(Fine Art)
DOROTHY SHERMAN	(Fine Arts)
BESSIE HELMER SMITH	(Kindergarten)
ANNA TATE STEELE	(Primary)
JUDSON LLOYD STEWART	(Manual Training)
GUY BASCOM ST. JOHN	(Manual Training)
MARY STORY	(Manual Training)
MARGARET ELIZA SUTTON	(Primary Supervision)
SARA MARIE SUYDAM	(Fine Arts and Manual Training)
DE ROSSETTE THOMAS	(Domestic Science)
JENNIE LLOYD THOMSON	(Kindergarten)
LUCY EMMALINE TRIPP	(Fine Arts)
ELIZABETH EMILY TROEGER	(Fine Arts)
LOTA LEE TROY	(Fine Arts)
EDNA VAIL	(Primary Grades)
SADIE BIRD VANDERBILT	(Domestic Science)
IDA CAROL WADSWORTH	(Domestic Science)
FLORENCE DIDIER WALLACE (February 3)	(Fine Arts)
HOWARD HOSTFORD WALLACE	(Manual Training)

MARY ST. JOHN WILLCOX
ANNE ELMA WINDLE
[89]

(Domestic Science)
(Elementary)

Pharmaceutical Chemist

VIRGINIA BAKER
AGUSTIN BLANCO Y GREIGEL
VIOLA ELIZABETH BREUNIG
HAROLD ENDEL BYKOWSKY
HARVEY ROZELLE COOPER
EDWARD ORVILLE DALTON
EDWIN MACKAY DAVIS
KARL HALCOMB DRIGGS
SAMUEL EDELMAN
WALTER ROBERT EIMER
[21]

ASUNCION ESTRADA
EVA SARAH FORMAN
JOHN HENRY HECKER
JOHN PETER HENGLER
DAISY EMMA KEMBLE
LEO LIEBERMANN
JENNIE MARGARET MCSWEENEY
JOSEPH PANEBIANCO
PEDRO EUGENE PEREZ
RALPH YOUNG VERNON
ESTELLE VAUGHAN WISEDANGER

Doctors of Pharmacy

CHARLES WILLIAM BALLARD, Ph.C.
[3]

ANDREW RICHARD BLISS, JR., Ph.C.
JOHN WILLIAM SCHLEGEL, Ph.G.

Master of Arts

SAMUEL PHILIP ABELOW
B. S. 1905.
LEONARD DAVID ABRAMS
A.B. C. C. N. Y. 1903.
THOMAS AGNEW, JR.
B.S. 1907.
AUGUSTA HOPELY ARIN
A.B. Woman's Coll. Baltimore 1906
(February 11).
ROBERT HARRY ALLES
B.S. C. C. N. Y. 1906.
MARY LINCOLN ALLIS
B.S. 1906.
KATHARINE SPRAGUE ALFORD
A.B. Michigan 1893.
WILLIAM CARL ROBERTSON ANDERSON
A.B. New Brunswick 1906.
LOUIS JULES ARMAND
B.S. 1905.
ARMIN AUSLANDER
A.B. C. C. N. Y. 1902.
FRANCIS WHITCOMB AYMAR
LL.B. New York Univ. 1897, LL.M.
1899, J.D. 1904, B.C.S. 1907.
ARCHIBALD WATSON BAIN
A.M. Glasgow, Scotland, 1886.
FRITZ WALTER BALDWIN, JR.
A.B. Amherst 1905.
ANNA MORRELL BARNARD
A.B. Michigan 1899.
DWIGHT ALBERT BARTLETT
A.B. Williams 1903.

FRED JACOB BECKER
A.B. 1902.
CORA JIPSON BECKWITH
A.B. Michigan 1900.
FRANZ BELLINGER
Equiv. A.B. Realgymnasium, Remagen, Germany, 1886.
HARRY BEST
A.B. Centre College 1901, A.M. George Washington 1902.
FLORENCE ADELLE BIXBY
B.S. Chicago 1903.
IRVIN AIKEN BLACKWOOD
A.B. Geneva College 1894, A.M. 1895.
LOUIS BENJAMIN BLAN
B.S. C. C. N. Y. 1901.
HENRY BLUMBERG
A.B. 1907.
RICHARD FRIEDRICK BÖHLER
Equiv. A.B. Oberrealschule, Vienna, 1888, Grad. Bergakademie Berlin, 1906.
AUGUSTUS OSBORN BOURN, JR.
LL.B. George Washington 1891, B.C.S. N. Y. Univ. 1905.
JOHN NEVILLE BOYLE
A.B. 1906.
WILLIAM HENRY BOYNTON
B.S. (Chem.) 1906.
ELLEN KLAPP BRANDENBURG
B.S. 1904.

- MARY GRACE BRECKINRIDGE
Ph.B. Cornell 1892.
- MARY LUELLA BREENE
A.B. Allegheny 1899.
- JEAN BROADHURST
B.S. 1903.
- RUTH LAVINIA BROADHURST
A.B. Smith 1907.
- STANLEY BROWN-SERMAN
A.B. 1905.
- MABEL EMMA BROWNE
A.B. 1906.
- ALICE S. BUTLER
A.B. Cornell 1903.
- BERTRAM THEODORE BUTLER
Ph.B. Hamline 1901.
- CORA LEILA BUTLER
A.B. Wellesley 1904.
- EVA MARY BYERLEY
A.B. Michigan 1901.
- MARGARET CECILIA BYRNE
A.B. 1905.
- MARIO GEROLAMO CARBONE
Mech. E. 1907.
- ERLE HOYT CASTERLIN
Ph.B. Alma College 1907.
- ADELE CAZIN
B.S. 1904.
- CAROLINE CHAMBERLIN
A.B. Washington Univ. 1901.
- MILDRED BICE CHAPMAN
Ph.B. Syracuse 1903.
- ABRAM ELZA CHRISLIP
A.B. Nashville 1901.
- JOHN JACOB COSS
A.B. Wabash 1906.
- FLORA LOUISE CUTTING
B.S. 1907.
- ALICE WOODS DARGAN
A.B. Winthrop 1902.
- ANANT NARAYAN DATAR
A.B. BOMBAY 1891, LL.B. 1893.
- DORA WILHELMINA DAVIS
A.B. Wesleyan 1902.
- JACKSON DAVIS
A.B. William and Mary 1902.
- WILLIAM HAWLEY DAVIS
A.B. Harvard 1905.
- HARVEY PETER DOLE
A.B. New Brunswick 1906.
- FREDERICK ROBERT GARFIELD DREDGE
A.B. Manitoba 1907.
- EDMUND THOMPSON DUFFIELD
A. B. Middlebury 1904.
- WALTER HOLLIS EDDY
B.S. Amherst 1898.
- OLIVE BALLARD EDGCOMB
A.B. Vassar 1907.
- AMY GERTRUDE EDMUNDS
A.B. Nevada State 1897.
- CHARLES HERBERT ELLIOTT
B.S. McKendree 1907.
- MARGUERITE ERWIN
A.B. Randolph-Macon Woman's Coll.
1907.
- PEARL HUNTLEY ETHERIDGE
A.B. Meridian 1904.
- ALBERT HILL FAY
B.S. Missouri Sch. of Mines 1902,
E.M. 1905 (October 8).
- WILLIAM MORRIS FEIGENBAUM
A.B. 1907.
- HORACE LUTHER FIELD
A.B. Cornell 1902.
- CHARLES WESLEY FLINT
A.B. Toronto 1900.
- MILDRED FOCHT
A.B. Bryn Mawr 1904.
- HARRY EMERSON FOSDICK
A.B. Colgate 1900, B.D. Union 1904.
- HELEN WRIGHT FOSTER
A.B. Vassar 1901.
- CLARA ELSA FRANKÉ
B.S. 1907.
- ALBERT PHILLIP FRAPWELL
A.B. Michigan 1907.
- JACOB M. FRIEDLAND
C.E. 1907, B.S. C. C. N. Y. 1900
(February 11).
- EDWARD HALL GARDNER
A.B. Amherst 1905.
- HORATIO KNIGHT GARNIER
LOVISA BREWSTER GERE
A.B. Wellesley 1889.
- JENNIE AUGUSTA GIEHL
A.B. Vassar 1902.
- JOSEPH GOLLOMB
A.B. C. C. N. Y. 1902.
- AMELIA RICHARDSON GOODLATTE
A.B. Wells 1900.
- FRANKLIN BURRIS GOUDY
A.B. Stanford 1907.
- FLORENCE GREER
A. B. Vassar 1899.
- PRISCILLA GRIFFITH
B.S. 1907.
- FANNY JOSEPHINE HAEFELIN
B.S. 1905.
- ELLA HAIMAN
A.B. Nashville 1906 (February 11)
- HELEN ELIZABETH HARDY
A.B. Wilson 1907.

- MARK RAYMOND HARRINGTON
B.S. 1907.
- LESTER HARRISSON
A.B. 1907.
- ALICE HASKELL
A.B. 1906.
- LEON MOSES HERBERT
A.B. C. C. N. Y. 1906.
- JOSEPH HEVESH
Grad. Teachers College, Budapest,
1901. (February 11.)
- JOSIAH EDWIN HICKMAN
B.L. Michigan 1895, B.D. Brigham
Young Univ. 1896, B.S. 1900.
(October 8.)
- JOHN HAMPDEN HOLLIDAY, Jr.
B.S. Mass. Inst. of Tech. 1905.
- CARRIE MAUDE HOLT
A.B. Wellesley 1903.
- MARY ALDEN HOPKINS
A.B. Wellesley 1900.
- ADELE ALICE HUMPHREY
A.B. Kansas 1895.
- SUSAN DICKINSON HUNTINGTON
A.B. Wellesley 1900.
- EMILIE JOSEPHINE HUTCHINSON
A.B. 1905.
- CHARLES APPLEWHITE ISAACS
A.B. Indiana 1905.
- ROSALIE TELFAIR JAMES
A.B. Bryn Mawr 1903.
- ALICE HARLOW JOHNSON
A. B. Radcliffe 1903.
- WILLIAM ALAN JOHNSON
Ph.B. Illinois Wesleyan 1904.
- ALFRED JOHN JOLLON
A.B. St. John's (Brooklyn) 1905.
- WALLACE FRANKLIN JONES
A.B. Illinois 1907.
- JOHN ALBERT KALB
A.B. Johns Hopkins 1899.
- CHARLES FREDERICK KARNOPP
A.B. Colorado 1905.
- HAROLD KIRSCHBERG
B.S. C. C. N. Y. 1903.
- HENRY JAMES KLINE
B.S. 1906.
- HAROLD KORN
A.B. 1901.
- TANIZO KOYAMA
Equiv., A.B. Waseda, Japan, 1899.
- EDNA AMELIA KRENNING
B.S. 1907.
- ALFRED HEMMER KROPPF
B.S. (Chem.) 1907.
- ADELINDA KUHN
A.B. Vassar 1904.
- PAUL GUSTAVE CHARLES KUSCHKE
Mech.E. Technikum, Mittweida, Ger-
many, 1906.
- BEATRICE ERSKINE LANE
A.B. Radcliffe 1898.
- MARCIA LOUISE LATHAM
B.S. North Carolina 1900.
- ELI FRANKLIN LEE
A.B. Trinity (N. C.) 1903.
- FANNIBELLE LELAND (Mrs.)
A.B. 1905.
- CAROLINE FOOTE LESTER
B.S. 1903.
- CLAUDE FREDERICK LESTER
B.S. Middlebury 1903.
- FREDERICK ADOLPH HERMAN LEUCHS
A.B. 1907.
- MORRIS LEVINE
A.B. C. C. N. Y. 1906.
- EDMUND DELONG LUCAS
A.B. Wooster 1903, B.D. Union 1907.
(February 11.)
- MICHAEL HENRY LUCEY
B.S. 1906.
- CARRIE VINIA LYNCH
A.B. Smith 1894.
- DARWIN OLIVER LYON
MARY VARDRINE McBEE
A.B. Smith 1906.
- MARY GERTRUDE McCORMICK
A.B. Cornell 1906.
- MILO FRANCIS McDONALD
A.B. Adelphi 1906.
- FANNIE MOULTON McLANE
A.B. 1907.
- PIERINA McLAUGHLIN
A.B. 1907.
- ANNIE LOUISE McMakin
B.S. 1907, A.B. Converse 1895.
- CHARLES PETER MacGREGOR
A.B. McMaster 1899.
- BEULAH ARNOLD MACMILLAN
B.L. Nashville 1901.
- ANNA PEARL MacVAY
A.B. Ohio 1892.
- ANNIE LAURIE MANLEY
A.B. 1907.
- THOMAS FRANKLIN MARSHALL
A.B. Lake Forest 1894.
- ELIZABETH FRANCES MASCORD
B.S. 1907.
- ALBERT EDWARD MAVES
A.B. 1906.

- CHARLES SIMPSON MEEK
A.B. Indiana 1891.
- WALLACE ELDEN MILLER
A.B. Ohio Wesleyan 1897.
- JACOB SAMUEL MINKIN
A.B. 1907.
- WILLIAM DOUGLAS MONKS
Mech. E. 1907.
- LILY SYLVESTER MURRAY
A.B. 1905.
- CHARLES AUGUSTUS PAUL NEWMAN
A.B. C. C. N. Y. 1900.
- ITSUZO NISHIMOTO
Equiv. A.B. Waseda, Japan, 1904.
- LOUISE CHRISTINE ODENCRANTZ
A.B. 1907.
- PATRICK JOSEPH O'DONNELL
B.D. and B.C.L. Maynooth Coll., Ire-
land, 1901.
- CHARLOTTE ROSE OESTERLEIN
A.B. 1907.
- EDNA MAY ORVIS
A.B. Wellesley 1905.
- MICHAEL O'SULLIVAN
LL.B. N. Y. Univ. 1893, Ph.B. St.
Francis Xavier 1894. (February 11.)
- JOHN BLAGOT OVERBEEK
A. B. Cape of Good Hope 1902.
- JULIA PATTON
A.B. Oberlin 1895.
- EDNA MAUDE PERRY
A.B. Mt. Holyoke 1904.
- ANNA FRANCES THOMPSON PETTIT
A.B. Swarthmore 1907.
- EMILY MILLER PIERSON
A.B. Vassar 1907.
- DELMAR T. POWERS
A.B. Indiana 1897.
- ROBERT HUNTINGTON PROCTOR
B.S. 1905.
- MARY AMELIA PROUDFOOT
B.S. 1907.
- MARY PHELPS PUTNAM
A.B. Minnesota 1902.
- ALBERT EDWARD RAND
A.B. Amherst 1907.
- HELEN EDMUNDS REDDING
A.B. Adelphi 1901. (October 8.)
- JOSEPH AMBROSE REED
B.S. 1907.
- IRA RICHARDSON
Ph. B. Central Coll., Mo., 1897.
- WALTER ALEXANDER RIDDELL
A.B. Manitoba 1907.
- ALICE EMILY BORGFELDT RITTER
A.B. Adelphi 1904. (October 8.)
- HUGH SHAW ROBERTSON
A.B. Toronto 1889.
- EDWIN JOSEPH ROSENBAUM
A.B. 1907.
- BERNARD ABRAHAM ROSENBLATT
A.B. 1907.
- FRANK FERDINARD ROSENBLATT
A.B. 1907.
- SAMUEL ROSINGER
Equiv. A.B. Gymnasium, Budapest,
1901.
- GERTRUDE FRANCES ROWELL
A.B. Stanford 1901.
- ELSIE MITCHELL RUSHMORE
A.B. Vassar 1906.
- ELIZABETH RUSK
A.B. 1907.
- HILDA CAROLINE ST. GEORGE
A.B. Wellesley 1906.
- WALTER SATOW
LYDIA ELLISON SAYER
A.B. Vassar 1907.
- MAX SCHELLITZER
A.B. C. C. N. Y. 1904.
- OSIAS L. SCHWARZ
A.B. Bucharest 1897.
- SAMSON SELIG
A.B. 1906.
- FRANCES CATHERINE SENIZA
B.S. 1903.
- LOUIS MOSES SHAPIRO
B.S. C. C. N. Y. 1905.
- LUCY FIDELIA SHERMAN
A.B. 1903.
- BERNARD LLOYD SHIENTAG
A.B. C. C. N. Y. 1904.
- MORRIS ELY SIEGEL
B.S. C. C. N. Y. 1904.
- FLORENCE MARY SMITH
A.B. Illinois 1899, A.M. 1906.
- HAROLD FRED SMITH
A.B. Stanford 1907.
- LOUISE SMITH
A.B. Smith 1987. (February 11.)
- GEORGINA BRACKENRIDGE SPOONER
A.B. Vassar 1907.
- ROMIETT STEVENS
B.S. 1907.
- YOSHIMITSU SUZUKI
A.B. Williams 1907.
- ETHEL SWAIN
B.L. California 1903.
- YOSHIHIRO TAKASUGI
A.B. De Pauw 1906.
- HELEN GREY TAYLOR
A.B. Vassar 1907.

- ELIZABETH ILSLEY THOMPSON
A.B. 1903.
- SAMUEL HENRY THOMPSON
A.B. Nebraska 1901.
- EDGAR GEORGE THOMSEN
B.S. 1907.
- KATHARINE HART TOBEY
A.B. Wellesley 1907.
- JOSEPH CLINTON TODD
A.B. Missouri Valley 1901.
- JULIA EMERY TURNER
A.B. Vassar 1895.
- MARION EMITH TUTTLE
A.B. Trinity (N. C.) 1906. (February 11.)
- TYLER ELLIOTT UTTERBACK
A.B. Kentucky 1893, A.M. Centre Coll. (Ky.) 1895.
- CLAUDE CORNELIUS VAN NUYS
B.S. South Dakota School of Mines 1907.
- PHILIP GEORGE VAN ZANDT
A.B. Chicago 1907.
- CALLA EDINGTON VARNER
A.B. Missouri 1904.
- SOLOMON VINEBERG
A.B. McGill 1906. (February 11.)
- JOSEPH BARNARD WALTON
A.B. Pennsylvania 1905.
[219]
- EDITH ELLEN WARE
A.B. Woman's Coll. Baltimore 1905.
- MABEL CLARE WEAKS
A.B. Kentucky 1907.
- AILEEN MARCH WEAVER
A.B. Kansas 1906.
- MARION LEE WEBSTER
B.S. 1906.
- ALBERTA MAUDE WELCH
A.B. Wellesley 1895.
- FRANK CORDAY WELLES
A.B. 1907.
- GUY FRED WELLS
B.S. 1907.
- CARRIE ELIZABETH WENDEL
A.B. Adelphi 1907.
- RAY EMERY WICKHAM
E.M. North Dakota 1907.
- BLANCHE COLTON WILLIAMS
A.B. Mississippi State Coll. for Women 1898.
- CHARLES LAIDLAW WILLIAMS
A.B. 1906.
- LYDIA MARGARET WILSON
A.B. Tennessee 1900.
- ELVIRA WOOD
ELIZABETH DUN YOUNG
B.S. 1907.
- ETHEL MAY YOXALL
A.B. Washburn 1905.

Master of Laws

- WALTER PERCY BORDWELL
LL.B. 1904, B.L. California 1898.
- GORDON SAUL PHILIP KLEEBOEG
A.B. 1905, A.M. 1906, LL.B. 1907.

Doctor of Philosophy

- GEORGE BYRON LOUIS ARNER
A.M. 1906, B.L. German Wallace Coll. 1904.
Dissertation: Consanguineous marriage in the American population.
- MARGARET ELIZABETH BALL
A.M. 1903, A.B. Mount Holyoke 1900.
Dissertation: Sir Walter Scott as a critic of literature.
(February 11.)
- ERNEST SUTHERLAND BATES
A.B. Michigan 1902, A.M. 1903.
Dissertation: A study of Shelley's "Cenci."
(February 11.)
- WARNER BROWN
A.B. California 1904, A.M. 1905.
Dissertation: Time in English verse rhythm.
- FRANK G. BRUNER
A.B. Nebraska 1903.
Dissertation: The hearing of primitive peoples.
- GERTRUDE SIMMONS BURLINGHAM
A.B. Syracuse 1896.
Dissertation: A study of the Lactariae of the United States.
- ROBERT EMMET CHADDOCK
A.M. 1906, A.B. Wooster 1900.
Dissertation: Ohio before 1850.
- PALMER COBB
A.M. 1903, Ph.B. North Carolina 1901.
Dissertation: The influence of E.T.A. Hoffmann on the tales of Edgar Allan Poe.
- HERBERT THOMAS JOHN COLEMAN
A.B. Toronto 1901.

- Dissertation: Public education in Upper Canada (Ontario), with especial reference to the period between 1791 and 1841.
- MARTHA PIKE CONANT
B.S. Wellesley 1890, A.M. 1895.
Dissertation: The oriental tale in England in the eighteenth century.
(February 11.)
- ELIZABETH BUCHANAN COWLEY
A.B. Vassar 1901, A.M. 1902.
Dissertation: Plane curves of the eighth order having two fourfold points with distinct tangents and no other piont singularities.
- MANECKJI NUSSERVANJI DHALLA
A.M. 1907.
Dissertation: The Nyaishes, or Zoroastrian litanies. Avestan text with Pahlavi, Sanskrit, Persian, and Gujarati versions, edited together and translated with notes.
- NORMAN EDWARD DITMAN
A.M. and M.D. 1900, Ph.B. Yale 1896.
Dissertation: Oponins and vaccines in medicine and surgery.
- LIDA BELLE EARHART
A.M. 1906, A.B. Michigan 1901.
Dissertation: Systematic study in the elementary schools.
- SAVILLA ALICE ELKUS
B.S. 1903, A.M. 1904.
Dissertation: The concept of control*
(February 11.)
- CLAUDE RUSSELL FOUNTAIN
A.B. Oregon 1901.
Dissertation: The spherical emission of a Righi vibrator.
- BERNARD FRANZEN-SWEDELIUS
Equiv. A.B. Oerebro Gymnasium, Sweden, 1902.
Dissertation: De usu accusativi cum infinitivo conjuncti apud Livium.
- HARRY GEORGE FRIEDMAN
A.B. Cincinnati 1904.
Dissertation: Taxation of corporations in Massachusetts.
(February 11.)
- SVEN FROEBERG
A.B. Bethany 1903.
Dissertation: The relation between the magnitude of the stimulus and the time of reaction.
- WILLIAM HENRY FRY
A.B. 1897, A.M. 1898.
Dissertation: New Hampshire as a royal province.
- VIRGINIA CROCHERON GILDERSLEEVE
A.B. 1899, A.M. 1900.
Dissertation: Government regulation of the Elizabethan drama.
- HAROLD CLARKE GODDARD
A.M. 1903, A.B. Amherst 1900.
Dissertation: Studies in New England transcendentalism.
(February 11.)
- FRANCIS MARION HAMILTON
A.B. Indiana 1897, A.M. 1901.
Dissertation: The perceptual factors in reading.
(December 31.)
- FRANK HAMILTON HANKINS, A.B. Baker 1901
Dissertation: Adolphe Quetelet as statistician.
- JULIANA HASKELL (Mrs. H. S.)
A.B. 1904, A.M. 1905.
Dissertation: Bayard Taylor's translation of "Faust."
- ERIC HIGGINS
A.M.S.T. Institute of Technology (Manchester) 1903, B.S. Owens College (Manchester) 1906.
Dissertation: The temperature coefficient of the weight of a falling drop as a means of estimating the molecular weight and the critical temperature of a liquid.
- HOMER DOLIVER HOUSE
A.M. 1904, B.S. Syracuse 1902.
Dissertation: North American species of the genus *Ipomœa*.
- ELMER ELLSWORTH JONES
B.S. Monmouth 1894, A.M. Colorado 1901.
Dissertation: A comparison of mental states in the horizontal and vertical positions of the body.
- FAREL LOUIS JOUARD
A.B. 1904.
Dissertation: 3-Amino-*o*-Phthalic acid and certain of its derivatives.
- NICHOLAS AUGUST KOENIG
A.B. 1903, A.M. 1904.
Dissertation: The Tasmiyat Wilat Misr (History of the governors of Egypt) by Abu Umar Muhammad-al-Kindi, edited from a unique manuscript in the British Museum.
- LILLIE DEMING LOSHE
A.M. 1903, A.B. Bryn Mawr 1899.

- Dissertation: The early American novel.
(February 11.)
- ROBERT HARRY LOWIE**
A.B. C. C. N. Y. 1901.
Dissertation: The test-theme in North American mythology.
- DANIEL RALPH LUCAS**
A.M. 1906, M.D. 1907, Ph.G. Purdue 1901, B.S. 1903.
Dissertation: Physiological and pharmacological studies of the ureter (III)
- ANNE BUSH MACLEAR**
B.S. 1901, A.M. 1905.
Dissertation: A comparative study of certain Massachusetts towns in the seventeenth century.
- CLARENCE EARL MAY**
A.B. Indiana 1904, A.M. 1905.
Dissertation: Oxygen ethers of the type—N: C. (OR), derived from certain nitrogen heterocycles.
- ARNOLD WILLIAM MEYER**
A.M. 1905, A.B. Iowa 1899.
Dissertation: The determination of diastatic power by the saccharification of soluble starch.
- ELMER ISAAH MILLER**
A.B. Leland Stanford 1896, A.M. 1897.
Dissertation: Development of the legislature in colonial Virginia.
(February 11.)
- JUSTIN HARTLEY MOORE**
A.M. 1904, A.B. C. C. N. Y. 1903.
Dissertation: Sayings of Buddha, the *Iti-vuttaka*, a Pali work of the Buddhist canon, for the first time translated with introduction and notes.
- LEIGHTON B. MORSE**
Ph.B. Iowa 1903.
Dissertation: The selective reflection of salts of carbonic and other oxygen acids.
- ALBERT ALEXANDER SNOWDEN**
A.B. Michigan 1902, Pd.M. Michigan State Normal Coll. 1907.
Dissertation: The industrial improvement schools of Württemberg.
- MATTHEW STEEL**
B.S. New Mexico Coll. of Agric. and Mechanic Arts 1901, M.S. 1902.
Dissertation: The influence of magnesium sulphate on nitrogenous catabolism in dogs, with special reference to the distribution of nitrogen among the constituents of the urine.
- RESTON STEVENSON**
A.B. North Carolina 1902, A.M. 1903.
Dissertation: The weight of a falling drop and the laws of Tate. The determination of the molecular weights and critical temperatures of liquids by the aid of drop weights.
- CLIFF WINFIELD STONE**
B.S. 1904.
Dissertation: Arithmetical abilities and some factors determining them.
- EDWIN PLATT TANNER**
A.B. 1897, A.M. 1898.
Dissertation: New Jersey as a royal province.
- SAMUEL MARION TUCKER**
A.M. 1901, A.B. Wofford 1896.
Dissertation: Verse satire in England before the Reformation.
- JOSEPH HARDING UNDERWOOD**
A.B. Western Coll. 1902, A.M. Iowa State 1904.
Dissertation: The distribution of ownership.
(February 11.)
- HARLAN UPDEGRAFF**
A.M. 1898, Ph.B. Cornell College 1894.
Dissertation: The rise of the moving school in Massachusetts.
- ALFRED HORATIO UPHAM**
A.B. Miami 1897, A.M. 1898, A.M. Harvard 1901.
Dissertation: The French influence in English literature from the accession of Elizabeth to the Restoration.
- FREDERICK AUGUSTUS VANDERBURGH**
A.B. Rochester 1876.
Dissertation: Sumerian hymns, Nos. 13963, 29631, 13930 and 29628, from Babylonian tablets in the British Museum, Part XV.
- CLARENCE WYCKLIFFE WASSAM**
Ph.B. Iowa State 1903, A.M. 1904.
Dissertation: Salary loan business in New York City.
- FREDERICK SEYMOUR WEINGARTEN**
M.D. and A.M. 1907, B.S. Chicago 1904.
Dissertation: The influence of internal hemorrhage on chemical changes in the organism, with particular reference to proteid catabolism.

LOUIS DWIGHT HARVELL WELD

A.B. Bowdoin 1905, A.M. Illinois
1907.

Dissertation: Private freight cars
and American railways.

WILLIAM HENRY WELKER

A.C. Lehigh 1904.

Dissertation: Some observations on
the excretion of nitrogenous sub-
stances in the urine of dogs under
[55]

conditions of diminished oxidation
induced by potassium cyanide.

WARREN HUGH WILSON

A.B. Oberlin 1890, A.M. 1894.

Dissertation: Quaker Hill.
(February 11.)

JACOB ZEITLIN

A.B. 1904, A.M. 1905.

Dissertation: The accusative with
infinitive and some kindred con-
structions in English.

Consular Certificate

EDWIN M. BORCHARDT

[1]

HONORARY DEGREES

Master of Arts

JONATHAN MAYHEW WAINWRIGHT

of the Class of 1884

Member of Assembly 1902-1908

Doctor of Science

CHARLES FREEMAN WILLIAMS McCURE

Professor of Zoölogy in Princeton University

Doctor of Laws

HERMANN SCHUMACHER

Professor of Economics in the University of Bonn

GEORGE BROWNE POST

Architect

HENRY CLAY WHITE

President of the Georgia State Agricultural and Mechanical College

FREDERIC WILLIAM STEVENS

of the Class of 1864

Vice-Chancellor of New Jersey

Doctor of Sacred Theology

THE REVEREND LEA LUQUER

of the Class of 1852

Rector of St. Matthew's Church, Bedford, New York

Commencement Calendar, 1908

- May 23-27—Teachers College Exhibition.
May 24—Baccalaureate Service, Rev. Paul Revere Frothingham,
Preacher.
May 25—Barnard College Class Day.
May 25—Columbia College Class Day.
May 25-30—Architectural Exhibition.
May 26—Phi Beta Kappa Meeting and Address.
May 27—Commencement, Conferring of Degrees and Award
of Honors; Presentation of torches by Class of
'83 Science and of statue of Alexander Hamilton by
the Association of the Alumni of Columbia College;
Alumni Luncheons; Anniversary Dinners; Decennial
Celebration.

FELLOWSHIPS, SCHOLARSHIPS, AND OTHER PROVISION FOR THE ASSISTANCE AND REWARD OF STUDENTS

NOTE. Unless otherwise provided, all stipends of Fellows and Scholars shall be paid in equal semi-annual instalments on the second Wednesday of each half-year. Before being entitled to receive either instalment of his stipend, each Fellow and Scholar is required to report himself in writing to the Registrar as in residence, on or before the opening day of each half-year.

Fellows and Scholars are required to pay all fees for matriculation, tuition, graduation, and for the use of the Gymnasium. The provisions regarding the maximum fee for the higher degrees do not apply to them.

General Regulations

The following regulations apply, unless the contrary is specifically stated, to the award of all fellowships and scholarships:

In each case application in writing, on a blank prepared for the purpose, must be filed with the Secretary of the University: for fellowships it should be filed on or before March 1; for scholarships on or before May 1. Applications and documents received in support thereof later than these dates or not distinctly indicating the name of the candidate and the fellowship or scholarship for which he applies may fail of consideration. As an evidence of graduation, a printed certificate is preferable to the formal diploma itself as there is risk that the latter may be lost or injured in transit.

The appointment is in each case for one year dating from July 1. Candidates will be notified as promptly as possible as to the success of their applications. If the applicant wishes the documents which he has submitted returned to him by mail he should enclose postage for the purpose, otherwise they will be held until called for. Documents and letters submitted by the candidates are returned, but letters written direct to the University are the University's property.

All Fellows and Scholars, as hereinafter provided, shall reside in New York City or its vicinity during the academic year, unless permission be granted by the Council to study elsewhere. No Fellow or Scholar may pursue a professional or technical course of study during his term.

The conditions under which the appointment may be granted are indicated in the following paragraphs:

UNIVERSITY FELLOWSHIPS

Twelve fellowships, of the value of \$650 each, known as "University Fellowships," are awarded annually by the University Council at

its stated meeting in April, to those graduates of colleges and scientific schools, not over thirty years of age, who show themselves especially fitted to pursue courses of higher study and original investigation. The candidate must give evidence:

(a) of a liberal education, such as a diploma from a college or scientific school of good repute;

(b) of decided fitness for a special line of study, such as an example of some scientific or literary work already performed;

(c) of upright character, such as a testimonial from some instructor.

A Fellow may be reappointed for reasons of weight, but not for more than two terms of one year each.

As these fellowships are awarded-as honors, those who are disposed, for the benefit of others or for any other reason, to waive the pecuniary emolument, may do so, and still have their names retained on the list of Fellows. In such cases additional University Fellows may be appointed.

Vacancies shall be filled in the same manner in which original appointments are made.

Every Fellow will be expected to perform such duties as may be allotted to him in connection with a course of study leading to the degree of Doctor of Philosophy. He will be expected to devote his time to the prosecution of special studies under the direction of the head of the department in which his major subject lies, and before the close of the academic year to give evidence of progress by the preparation of a thesis, the completion of a research, the delivery of a lecture, or by some other method.

No Fellow shall be allowed to accept remunerative employment or to give instruction or assistance in any department of the University except by permission of the President, and the acceptance of any such employment, without such permission, shall operate to vacate the fellowship.

University Fellows 1908-09

THOMAS SYDNEY BELL.....	<i>Roman Law and Comparative Jurisprudence</i>
CHARLES L. BRYDEN.....	<i>Metallurgy</i>
MAX FORRESTER EASTMAN.....	<i>Philosophy</i>
WILLIAM F. GEPHART.....	<i>Political Economy</i>
ROSS AIKEN GORTNER.....	<i>Chemistry</i>
WALTER PHELPS HALL.....	<i>European History</i>
FERNANDUS PAYNE.....	<i>Zoölogy</i>
GEORGE HENRY PORTER.....	<i>American History</i>
ALFRED ERNEST REJALL.....	<i>Psychology</i>
FRANK HUMPHREY RISTINE.....	<i>English</i>
MORRIS FRANCIS WEINRICH.....	<i>Astronomy</i>
SIDNEY ZANDSTRA.....	<i>Semitic Languages</i>

SPECIAL FELLOWSHIPS

Unless otherwise specified, the regulations as to the mode of application for the following fellowships, and the conditions governing their award and tenure, are the same as those for University fellowships (see *ante*). Candidates should indicate clearly upon their application-blanks the fellowship for which they are applicants.

Tyndall and Barnard Fellowships

The Tyndall Fellowship for the Encouragement of Research in Physics, endowed by Professor John Tyndall, and of an annual value of \$648, and the Barnard Fellowship for Encouraging Scientific Research, endowed by the bequest of the late President Barnard, annual value \$400, are awarded annually under the following conditions: The Tyndall Fellowship is available for one or more American pupils who may have shown decided talent in physics, and preferably such as shall express the determination to devote their lives to the advancement of theoretic science and original investigations in that department of learning, and is awarded either to a graduate of the University or to a student in it (not necessarily a candidate for a degree) upon the recommendation of the head of the Department of Physics. The Barnard Fellowship is awarded upon the joint recommendation of the Faculties of Columbia College, Applied Science, and Pure Science to a graduate of any one of them who, having shown decided aptness for physical investigation, is disposed to devote himself thereto for some years continuously. The recommendation must in each case be made to the President on or before April 1. The appointment is for the term of one year, but the incumbent shall be eligible to reappointment.

It is the duty of a John Tyndall or Barnard Fellow to devote himself faithfully to the investigation of some subject in physical science at this University, or at some other in this country or abroad, under the supervision of some known physicist approved by the President and the head of the Department of Physics. He shall make a report, certified to by the physicist superintending and directing him, quarterly to the President, giving an account of the work in which he has been engaged during the three months preceding.

Tyndall Fellows

1891-92	WILLIAM H. FREEDMAN	1903-04	FRANK LEO TUFTS
1892-93	CHARLES R. MANN	1904-07	FREDERIC COLUMBUS
1894-95	CHARLES R. MANN		BLAKE
1895-97	WALTER WHEELER COOK	1907-08	GEORGE BRAXTON PE-
1897-98	No incumbent		GRAM
1898-1901	ROBERT BOWIE OWENS	1908-09	HAROLD WORTHINGTON
1901-03	BERGEN DAVIS		WEBB

Barnard Fellows

1894-96	WILLIAM LISPENARD ROBB	1905-07	CLARENCE WHITNEY
1896-97	No incumbent		KANOLT
1897-1900	HEINRICH RIES	1907-08	HAROLD WORTHINGTON
1900-03	JOHN ALEXANDER MATHEWS		WEBB
1903-05	WILLIAM CAMPBELL	1908-09	CLEMENT S. BRAININ

Adams Research Fellowship

The Ernest Kempton Adams Research Fellowship, founded by Mr. Edward Dean Adams, in memory of his son, Ernest Kempton Adams, E. E. '97, A.M. '98, is of an annual value of \$1250. The appointment may be made from among the faculties, teaching staff, alumni, or students of Columbia University. The incumbent of the fellowship shall prosecute researches either in Columbia University or elsewhere, in the physical sciences, in psychology, or in their practical applications. The results of the investigations of the incumbent of the fellowship are published and distributed by the University under the title of "Researches of the Ernest Kempton Adams Research Fellows of Columbia University."

Ernest Kempton Adams Research Fellows

1905-07	ERNEST FOX NICHOLS	1907-09	BERGEN DAVIS
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Class of '70 Fellowship

There is a fellowship known as the "Class of '70 Fellowship," of the annual value of \$500, which, after the expiration of the term of the present incumbent, shall be filled by the University Council, subject to such regulations as may be prescribed.

Class of '70 Fellow

1896—LEWIS BUFFET CARLL

George William Curtis Fellowship

The George William Curtis Fellowship is awarded for a term of two years upon the recommendation of the Faculty of Political Science in every third year, the next award being July 1, 1909. The Curtis Fellow shall be entitled to receive during his incumbency the net income of the endowment of \$10,000 (in 1906-07, \$400 annually), accruing during a period of three years, and proportionately for any part of the term.

Candidates shall submit an essay or address on the "Immediate Duty of the American Citizen," in addition to complying with the requirements of candidates for University fellowships.

The Fellow shall devote himself to the study of the science of government, with a special view to its application to the then existing condition of the United States or to the State or City of New York; and at or before the conclusion of his second year he shall publish (a) a monograph satisfactory to the Faculty of Political Science on some subject relating thereto, and (b) a brief sketch of George William Curtis as a citizen and orator, showing that he has familiarized himself with the life and character of the man whose memory is to be perpetuated by the fellowship which he has enjoyed.

George William Curtis Fellows

1901-02	JAMES WILFORD GARNER	1906-07	No incumbent
1902-04	CHARLES AUSTIN BEARD	1907-08	EDWARD MCCHESENEY SAIT
1904-06	CHARLES GROVE HAINES	1908-09	BLAINE FREE MOORE

Drisler Fellowship

The Henry Drisler Fellowship in Classical Philology, established in 1894 in commemoration of the semi-centennial in the service of the University of Professor Henry Drisler, A.B. 1839, is of the annual value of \$650, and is open to Bachelors of Arts of this University, or some other institution of equivalent standing, who have studied Greek and Latin throughout their undergraduate course, and who have an adequate knowledge of French and German. They must present testimonials from their instructors in Greek and Latin as to the quality of their work, and give evidence of fitness for advanced study and research, either by a special examination, or by an essay embodying the results of research in some department of classical study.

The appointment is made by the University Council on the joint recommendation of the professors of Greek and Latin. Recommendations should reach the President on or before April 1, and reappointments may be made for not more than two terms of one year each.

The Fellow must study at this University under the direction of the professors of Greek and Latin, unless permitted by the Council to spend a year in some foreign university, or in the American School of Classical Studies at Athens, or in the American School of Classical Studies at Rome.

Drisler Fellows

1894-96	JOHN KASSON LATHROP	1902-03	HARWOOD HOADLEY
1896-97	GEORGE N. OLCOTT	1903-04	WALTER WHIPPLE AR-
1897-98	WILLIAM T. F. TAMBLYN		NOLD
1898-99	CORLISS FITZ RANDOLPH	1904-05	No incumbent
1899-1900	EDWARD CHARLES	1905-06	MACON ANDERSON LEIPER
	HARWOOD	1906-08	CHARLES JONES OGDEN
1900-01	BERT HODGE HILL	1908-09	HUBERT MCNEILL POTEAT
1901-02	No incumbent		

Garth Fellowship

The Granville W. Garth Fellowship in Political Economy is awarded each year. The successful applicant for the fellowship shall be entitled to receive the net annual income of the capital sum of the Granville W. Garth Memorial Fund of \$16,250. See page 467.

Garth Fellows

1905-06 MEYER JACOBSTEIN	1907-08 LOUIS DWIGHT HAR-
1906-07 JAMES HENRY GILBERT	WELL WELD
	1908-09 SOLOMON VINEBERG

Gottsberger Fellowship

The Gottsberger Fellowship, awarded every second year, is open only to candidates who, having first taken a degree in Columbia College, have been for not less than two years resident graduate students of Columbia University, taking also the degree of Master of Arts. The holder may with the consent of the professor in charge of his major subject of study, and with the approval of the President, pursue his studies abroad. The Fellow so appointed receives the net income for two years of the capital sum of \$9500 constituting the Cornelius Heeney Gottsberger Scholarship Fund.

Gottsberger Fellows

1905-06 GEORGE CHRISTIAN OTTO HAAS	1907-08 MEYER JACOBSTEIN
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Mosenthal Fellowship

The Mosenthal Fellowship, established in memory of the late Joseph Mosenthal, is designed to aid talented students of musical composition, either men or women, in the study of their art. The stipend is the net income for two years of the capital sum of \$7500. It is awarded every second year by the Council upon the recommendation of the Professor of Music, and is tenable for one year.

Applicants are required to show a thorough knowledge of harmony and of counterpoint and some ability to compose, by submitting a number of original compositions in support of their applications.

The holder must devote himself to the study of musical composition at Columbia University, or, with the approval of the President and the Professor of Music, abroad. In the former case, he shall be required, in addition to his studies in Music, to pursue such other studies in at least two departments of the University as the Professor of Music may direct. In either case, the Fellow shall submit, at such times as the Professor of Music may designate, the results of his work in musical composition.

Mosenthal Fellows

1899-1901 MARY ANGELA DILLER	1906-07 WILLIAM JACOB KRAFT
1902-04 FRANK EDWIN WARD	1908-09 FRANZ BELLINGER
1904-05 BENJAMIN LAMBORD	

Proudfit Fellowship in Letters

The Alexander Moncrief Proudfit Fellowship in Letters for the encouragement of the study of English Literature, founded by the bequest of Alexander Moncrief Proudfit, is open to any son of native-born American parents who shall have taken the degree of Bachelor of Arts after three years' residence in Columbia College, and who shall, while enjoying such fellowship, remain unmarried. The appointment is made by the Council upon the joint recommendation of the professors in the Department of English. The Fellow shall be entitled to receive during his incumbency the net income of the sum of \$13,875 (in 1906-07, \$615). He shall carry on his studies and research at Columbia University, or elsewhere, under the direction of the professors in the department named.

Proudfit Fellows in Letters

1900-03 JOHN ERSKINE	1906-07 CHARLES FRANCIS LAW-
1903-05 STANLEY KIDDER WILSON	SON
1905-06 No incumbent	1907-09 ERNEST HUNTER WRIGHT

Schiff Fellowship

The Schiff Fellowship in Political Science, the gift of Mr. Jacob H. Schiff, is of an annual value of \$600. The appointment is made each year by the Council upon the recommendation of the Faculty of Political Science, which recommendation is based upon the nomination following: On or before April 1 of each academic year the Faculty of Political Science shall propose to Mr. Jacob H. Schiff while living the name of a suitable person for nomination by him. The conditions to govern the nomination after Mr. Schiff's death will be found in the University Statutes.

Schiff Fellows

1898-1900 WILLIAM HENRY FRY	1905-06 CHARLES RAMSDELL
1900-01 WALTER PERCY BORDWELL	LINGLEY
1901-02 ULRICH BONNELL PHILLIPS	1906-07 SAMUEL GEORGE NIS-
1902-03 GEORGE CHARLES SELDEN	SENSON
1903-04 PRESERVED SMITH	1907-08 CARL FREDERICK L.
1904-05 NORRIS ARTHUR BRISCO	HUTH
	1908-09 LEONARD STOTT BLAKEY

Carl Schurz Fellowship

The Carl Schurz Fellowship for the Study of the German Language and Literature is awarded, in every even-numbered year, by the Council, upon the recommendation of the professors of the Department of Germanic Languages and Literatures. The Fellow shall be entitled to receive the net income for two years of the capital sum of \$10,000, constituting the endowment contributed by citizens of New York, in commemoration of the seventieth birthday of Carl Schurz. The appointment may be renewed for reasons of weight for a further term of one year, but without additional stipend.

Candidates must present testimonials as to their zeal and success in the study of German, and must by an essay or published treatise give evidence of their fitness for a wider and more profound study of the languages and literatures and for independent research. They must also have a sufficient knowledge of Latin and French to use these languages readily in the prosecution of their studies. The holder must study at Columbia University under the direction of the Department of Germanic Languages and Literatures, unless permitted by the Council to study at some German university.

Carl Schurz Fellows

1902-03 JOHN LOUIS KIND	1906-07 HENRY HERMANN
1904-05 ALLEN WILSON PORTERFIELD	LOUIS SCHULZE
	1908-09 PERCY GAINES CRAIG

William Mitchell Fellowship

The William Mitchell Fellowship shall be awarded annually by the Trustees on the nomination of the Faculty of Columbia College, upon a graduate of the College who purposes entering upon a course of advanced study in letters or science, or who is adjudged by the Faculty capable of attaining distinction in such courses of study. The Fellow so appointed shall be entitled to receive the net income of the fund of \$10,000, bequeathed by Benjamin D. Silliman.

William Mitchell Fellow

1908-09 IRVING COMES DEMAREST

Annual Fellowships

The Treasurer may receive gifts of money or fellowships for one year or more provided that no fellowship shall be created for less than \$500 per annum. Such fellowship shall be filled by the University Council, subject to such regulations as may be prescribed.

UNIVERSITY SCHOLARSHIPS

Twenty University Scholarships, of an annual value of \$150, are awarded by the University Council at the regular meeting in May to students under the Faculties of Political Science, Philosophy, and Pure Science, who are not over thirty years of age, under the following regulations:

1. They are open to all graduates of colleges and scientific schools whose course of study has been such as to entitle them to be enrolled at Columbia as candidates for one of the higher degrees.

2. They are tenable for one academic year, with a possibility of renewal for one year longer.

3. Applications should be filed in writing, not later than May 1.

4. In the awards preference will be given to those candidates for University fellowships who have failed of appointment after having been recommended therefor by any faculty or department.

5. University Scholars will be required to enrol themselves as candidates for a higher degree and to pursue a regular course of study leading thereto.

6. Additional Scholars may be appointed by the Committee to fill any vacancies occurring otherwise than by the graduation of an incumbent.

7. A University Scholar may relinquish the income thereof without waiving his right to be designated as a University Scholar.

University Scholars, 1908-09

HENRY BLUMBERG.....	<i>Mathematics</i>
WILLIAM MORRIS FEIGENBAUM.....	<i>American History</i>
CHARLES ELMER GEHLKE.....	<i>Sociology and Statistics</i>
JOSEPH ISAAC GORFINKLE.....	<i>Semitics</i>
GORDON HARWOOD GRAVES.....	<i>Mathematics</i>
CHARLES JOSEPH HILKEY.....	<i>Political Science</i>
EDWARD CALVIN KENDALL.....	<i>Chemistry</i>
GEORGE WALTER KESSLER.....	<i>Political Science</i>
LOUIS LEVINE.....	<i>Sociology</i>
DARWIN OLIVER LYON.....	<i>Psychology</i>
HENRY HOWARD MARVIN.....	<i>Physics</i>
SEYMOUR PAUL.....	<i>Political Science</i>
FRANK FERDINAND ROSENBLATT.....	<i>Political Economy</i>
DANIEL CREHANGE ROSENTHAL.....	<i>Romance Languages</i>
AARON FRANKLIN SHULL.....	<i>Zoölogy</i>
ROBERT METCALF SMITH.....	<i>English</i>
CARL CLINTON VAN DOREN.....	<i>English</i>
JAMES A. VAUGHAN.....	<i>Mathematics</i>
WALTER BLIGH WOODBURY.....	<i>Romance Languages</i>

Honorary Scholar

EDWARD EWING PRATT.....	<i>Social Economy</i>
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President's University Scholarships

Eight additional scholarships, known as the President's University Scholarships, are awarded by the University Council, governed by the regulations attached to the University Scholarships, and by such further regulations as may from time to time be adopted.

President's University Scholars, 1908-09

RALPH CURTISS BENEDICT	<i>Botany</i>
ALBERT CLARENCE BOYLE, JR.	<i>Geology</i>
BURTON WARREN KENDALL	<i>Physics</i>
ALMON WHEELER LAUBER	<i>History</i>
EDWARD HENRY LEWINSKI	<i>Political Economy</i>
HENRY JOHN SKIPP	<i>Germanic Languages</i>
HOMER A. STEBBINS	<i>History</i>
RUPERT TAYLOR	<i>English</i>

University Scholarships for Women

Four University Scholarships, known as the Curtis University Scholarships, will be awarded annually to women students under the Faculties of Philosophy, Political Science, and Pure Science. These scholarships are awarded under the same regulations as those governing the University scholarships.

Curtis University Scholars, 1908-09

MAY ALLINSON	<i>American History</i>
MABEL EMMA BROWNE	<i>Mathematics</i>
GERTRUDE LOUISE CANNON	<i>Botany</i>
HELEN JOSEPHINE HARVITT	<i>Romance Languages</i>

Richard Butler Scholarship

The Richard Butler Scholarship, tenable for one academic year, with the possibility of renewal for each of two years more, for the benefit of male students born in the State of Ohio, is open for competition to qualified candidates who propose to enter any college, or school of the University (except Teachers College or the College of Pharmacy). The annual value (to be applied to tuition charges) is the income of a fund of \$5000, given for the establishment of the scholarship.

Applications should be made under the same regulations as those for University Scholarships.

Richard Butler Scholars

1904-07 OTHO LEE MONROE

1907-09 JOHN SHERMAN ROBINSON

Pulitzer Scholarships

Through the generosity of Mr. Joseph Pulitzer, male graduates of the public high-schools of the City of New York, not to exceed forty at any time, are awarded scholarships upon competitive examination. Each scholarship so awarded may be held for a period of four years in the College or in any department of the University except the Medical School, Teachers College and the College of Pharmacy. The scholarship will be withdrawn if at any time the holder fails to maintain a satisfactory standard in his academic work. During his term the scholar receives from Mr. Pulitzer the sum of \$250 a year over and above the cost of his tuition. Full information regarding the conditions under which these scholarships are awarded will be furnished, upon application, by the Secretary of the University.

John D. Jones Scholarship

The Wawepex Society makes annual provision for a scholarship amounting to \$200 and including the use of a table at the biological laboratory at Cold Spring Harbor, L. I. The award is made by the Council upon the recommendation of the Department of Zoölogy.

John D. Jones Scholars

1898-99 FRANCIS BERTODY SUMNER	1904-05 CHARLES RUPERT
1899-1900 JOHN CUTLER TORREY	STOCKARD
1900-01 FREDERICK CLARK PAULMIER	1905-06 JOHN HOWARD Mc-
1901-02 WILLIAM E. KELLICOTT	GREGOR
1902-03 CHARLES ZELENY	1906-07 DAVID DAY WHITNEY
1903-04 LOUIS I. DUBLIN	1907-08 CHARLES V. MORRILL,
	JR.
1908-09 DAVID DAY WHITNEY	

Annual Scholarships

The Treasurer may receive gifts of money for scholarships for one or more years, provided that no such scholarship shall be for a less sum than the annual tuition fee of the college or of the school in which it is provided.

Annual Scholars

WALTER LORING BARROWS	.....	<i>Geology</i>
HARRY F. HARRINGTON	.....	<i>English</i>
FRED. H. RINDGE, JR.	.....	<i>Social Economy</i>
FRANCIS WILLIAM SULLIVAN	.....	<i>English</i>
RUSSELL DAYTON TREBILCOX	.....	<i>English</i>
WILLIAM HARVEY VANN	.....	<i>English</i>
THOMAS HENRY WADE	.....	<i>English</i>

Medals and Prizes

Essays submitted in competition for any of the following should, unless otherwise indicated, be submitted to the Secretary of the University not later than May 1, in the year of award. The awards are announced at Commencement and, unless otherwise indicated, are annual.

National Society of the Sons of the American Revolution Medal.

For information as to the award of the medals offered by this Society, apply to the Secretary of the University.

Barnard Medal

A gold medal of the value of \$200 established by the provisions of the will of President Barnard and endowed by him, known as the "Barnard Medal for Meritorious Service to Science," is awarded quinquennially to such person, if any, whether a citizen of the United States or any other country, as shall within the five years next preceding have made such discovery in physical or astronomical science, or such novel application of science to purposes beneficial to the human race, as in the judgment of the National Academy of Sciences of the United States shall be esteemed most worthy of such honor.

Awards

1895 LORD RAYLEIGH and Professor WILLIAM RAMSAY

1900 Professor WILHELM CONRAD VON RÖNTGEN

1905 Professor HENRI BECQUEREL

Bennett Prize

A prize established through a gift of \$1000 from Mr. James Gordon Bennett, may be awarded by the Faculty of Political Science for the best essay upon some subject of contemporaneous interest in the domestic or foreign policy of the United States. The competition is open to students not holding a baccalaureate degree who pursue courses amounting to six hours a week in the School of Political Science.

Award of 1908

EDWIN MONTEFIORE BORCHARDT

Honorable mention: ALEXANDER HOLTZOFF

Bunner Medal

The H. C. Bunner Gold Medal, established by the friends of the late Henry Cuyler Bunner, is awarded to the candidate for a Columbia degree who shall present the best essay on an assigned subject in American literature. The award will be made by a committee to be

appointed by the President. The subject for the essays to be handed in on May 1, 1909, is "Foreign Influences on Longfellow's Poetry."

Award of 1908

HAROLD KORN

Loubat Prizes

Mr. Joseph F. Loubat has endowed two prizes of \$1000 and \$400, respectively, for the best works published in the English language upon the history, geography, archaeology, ethnology, philology, or numismatics of North America. The next award will be made in 1913. Competition is open, under the deed of gift, to all persons, whether connected with Columbia University or not, and whether citizens of the United States or of any other country. No treatise shall be eligible for the purposes of the competition except such as relate to the topics involving antiquarian research, or that refer to events prior to 1776. In order to insure consideration of their works, authors are invited to send copies to the President of Columbia University not later than April 1 of the year in which the prize is to be awarded; but the competition will not be restricted to works thus submitted. For names of the Committee of Award for 1913, and for further details, address the Secretary of the University.

Award of 1893: First Prize, "History of the United States of America during the Administrations of Jefferson and Madison," by HENRY ADAMS.

Second Prize, "Report of Investigations among the Indians of the Southwestern States," by A. F. BANDELIER.

Award of 1898: First Prize, "Stone Implements of the Potomac-Chesapeake Tidewater Province," by WILLIAM HENRY HOLMES. Second Prize, "The Social Organization and the Secret Societies of the Kwakiutl Indians," by FRANZ BOAZ, Ph.D.

No award in 1903

Award of 1908: First Prize, "The American Colonies in the Seventeenth Century," by HERBERT LEVI OSGOOD, Ph.D., LL.D.

Second Prize, "The History of the Society of Jesus in North America," by REV. THOMAS ALOYSIUS HUGHES, S. J.

Grant Squires Prize

The Grant Squires Prize, the income for five years of a fund of \$1000, established by Grant Squires, A.B. '85, LL.B. '87, is awarded at the close of every quinquennial period, to such graduate conducting an original investigation of a sociological character as shall be adjudged most worthy by a Committee of Award, consisting of the President, the Professor of Sociology, and one of the professors of Political Economy, appointed by the Faculty of Political Science. The next

award will be in 1910. Such award shall be deemed to be a recognition of scientific ability and achievement, as well as an encouragement of research.

Award of 1905

EDWARD W. CAPEN

Toppan Prize

A prize known as the Robert Noxon Toppan Prize, the income of an endowment of \$4000, in memory of Robert Noxon Toppan, LL.B. '61, is awarded annually to the member of the School of Law or of Political Science who shall pass the best written examination upon a paper prepared by the Professor of Constitutional Law.

Award of 1908

EDWARD MCCHESENEY SAIT

Prizes of the Dante Society

The Dante Society of Cambridge, Mass., offers an annual prize of \$100 for an essay on a subject drawn from the life or works of Dante. This prize is open to competition by students of Columbia University and by graduates of not more than three years' standing. For particulars, see the announcement of the Division of Modern Languages.

Earle Prize in Classics

A prize of \$50 established in memory of Mortimer Lamson Earle, Instructor in Greek in Barnard College from 1889 to 1895 and from 1898 to 1900, and Professor of Classical Philology from 1900 to 1905, is open for annual competition to all candidates for the degree of Bachelor of Arts. It will be awarded partly on the basis of the regular work of the year in Greek and in Latin, partly on the basis of a special examination held in May or June. The special examination will cover specified portions of Greek and Latin literature, sight-reading in Greek and in Latin, and prose composition in Greek and in Latin. For 1909 the special subjects will be the Gorgias of Plato and Book V of Lucretius.

Prizes of the New Jersey Alumni Association

Two prizes of \$50 each are awarded annually by the New Jersey Alumni Association to the New Jersey students who pass the best entrance examinations to Columbia College and the Schools of Applied Science, respectively; with the proviso that before the award these students shall complete satisfactorily one half-year of academic work.

Awards of 1908

Columbia College—ARMIN KOHL LOBECK, 1911

Schools of Mines, Engineering, and Chemistry—E. H. HARDER, 1911

Scholarships and Prizes in Columbia College

Seventy-two scholarships, of the annual value of \$150 each, are open for competition in Columbia College. All scholarships are intended to be academic honors. Award is made, with the exception of the scholarships depending upon entrance examinations, by the Committee on Scholarships. Unless otherwise indicated, application for award for each year of incumbency must be made on or before May 1, on blanks furnished by the Secretary of the University. Awards will be announced not later than July 1.

No student who has incurred serious academic censure, or who obtains leave of absence for the year of appointment, will be considered for reappointment. Failure to maintain a grade of at least C in all courses taken may, and in the case of competitive scholars will, vacate the scholarships. Vacancies may be filled at the discretion of the Committee. Payment of one or both instalments of the stipend may be withheld if the student proves undeserving.

The stipend of the scholarship is sufficient to pay the tuition fees of a student electing not more than 15 points in Columbia College. Students permitted by the Dean to take more than 15 points or to elect professional courses must pay the difference between the amount of the scholarship and the charge fixed by the statutes for the courses elected.

Section I—Competitive Scholarships awarded, not later than July 15 in the order given, by the Committee on Admissions to those qualified Freshmen who pass in June the best entrance examinations in subjects aggregating the fifteen points requisite for admission. The examination may be taken at any point in Greater New York where examinations are held by the College Entrance Examination Board. No applications are required from candidates for first appointment. Reappointments are made under the general regulations of the Committee on Scholarships.

Alumni Competitive Scholarships 4

Founded by the Trustees in 1890, one awarded annually.

For 1908-09

Class of 1909—HERBERT CALVIN SKINNER

Class of 1911—LOUIS GROSSBAUM

Class of 1912—CARL D. ZIGROSSER

Hewitt and Harper Scholarships (2 each) 4

Endowed by the gift of Abram S. Hewitt, LL.D., of the Class of 1842, and by the bequest of Joseph W. Harper, A.M., of the Class of 1848. One open annually for competition to graduates of New York City high-schools.

For 1908-09

Hewitt, Class of 1909—FRANCIS SALZANO
 Harper, Class of 1910—ARTHUR YOKEL
 Hewitt, Class of 1911—HERMAN JOSEPH MULLER
 Harper, Class of 1912—GABRIEL RUBINO

Brooklyn Scholarships..... 12—20

Founded by the Trustees in 1895, in recognition of ex-President Low's gift of a memorial building for the University Library. Three are open for competition annually to residents of Brooklyn trained either in the public or the private schools of that borough.

For 1908-09

Class of 1910—CARL FRITZ HÜTTLINGER
 MORTIMER BRENNER
 PAUL WILLIAM ASCHNER
 Class of 1911—FREDERICK THOMAS BOWERS
 IRVIN REED DOWNS
 ABRAHAM MAURICE GRILL
 Class of 1912—ARTHUR B. BRENNER
 MAURICE LEVINE
 W. E. SHREWSBURY

Louis K. McClymonds Scholarships

The Louis K. McClymonds Scholarships of the annual value of \$650, maintained by Mrs. Annie K. McClymonds in memory of her late husband, is open to that candidate for the degree of B.A. or B.S. who shall have satisfactorily completed the requirements for admission, and who in the judgment of the Faculty of the College shall be deemed most deserving of appointment. Other things being equal, preference shall be given to sons of American-born parents who have no other means of providing for their tuition and living expenses during the academic year.

For 1908-09

Class of 1910—DALLAS SELWYN TOWNSEND
 Class of 1911—JAMES HANDFORTH MACKINTOSH

Section II—General Scholarships awarded to applicants whose record for ability and scholarship obtained either before or after matriculation gives evidence of special fitness for the

course of study which they wish to pursue. Candidates in their first year of residence at Columbia University must be strongly recommended by the college or school from which they have come, and have shown marked proficiency or promise in college work. Students not in need of financial aid cannot be considered as applicants, nor can those who through physical, mental, or moral weakness, give little promise of future usefulness.

A. Open to members of any class:

Faculty Scholarships established by the Trustees.....	6
Beck Scholarship.....	1
Established in recognition of the liberality of Charles Bathgate Beck, A.B. 1877, LL.B. 1879.	
Campbell Scholarships.....	2
In memory of Robert B. Campbell, 1844, and Henry P. Campbell, 1847, established by Miss Maria L. Campbell and Miss Catharine B. Campbell.	
Class of 1848 Scholarships.....	2
Established through the liberality of a member of the Class of 1848.	
Scholarships of the Society for Promoting Religion and Learning.....	8—19
Founded and awarded by this Society.	

B. Open only to Freshmen. The requirements for admission must be completed before matriculation. For award after entrance, applications should be filed not later than October 4, 1907, or February 13, 1908. In general awards will not be made later than December 1, or March 1, respectively.

Schermerhorn Scholarships.....	5
Endowed by John Jones Schermerhorn, A.B. 1825.	
Moffat Scholarships.....	2
Endowed by William B. Moffat, A.B. 1838; M.D. 1842.	
Stuart Scholarships.....	2
Endowed in memory of Sidney Barculo Stuart, A.B. 1880; LL.B. 1882; and Eugene Talman Stuart, A.B. 1881, Ph.B. 1882, LL.B. 1883, by their grandmother, Cornelia A. Atwill.	
Alumni Association Scholarships.....	4—13
Established by the Trustees in recognition of the interest that the Alumni Association has always shown in the affairs of the College.	

- C. For award to students not less than one year in residence:
Benefactors Scholarships. Morgan (5), Vanderbilt (5), A. A. Low (3), Cutting (2), Clark (2), Sloan (1), Parish (1), Schiff (1) —20
 Established by the Trustees in 1899 in recognition of the liberal gifts for the purchase of the site on Morningside Heights received from J. Pierpont Morgan, Cornelius Vanderbilt, A. A. Low, R. Fulton Cutting, Alfred Corning Clark, Samuel Sloan, Henry Parish, Jacob H. Schiff, and others, designated collectively as "Benefactors Scholarships," of which twenty have been assigned to the College. —72

Prize of the Alumni Association

A prize of fifty dollars in money or its equivalent "to the most faithful and deserving student of the graduating class" was established in 1858 by the Association of the Alumni of Columbia College. The graduating class selects the incumbent from three names submitted to it by the Faculty; or if, ten days prior to Commencement, the class should notify the President of the University of its failure to make a selection, the award may be made by the Faculty.

Names submitted in 1908

FRED HAMILTON RINDGE, JR. (selected by Class for prize)
 WALTER BLIGH WOODBURY
 GEORGE JARDINE BAGLEY

Chanler Historical Prize

By the bequest of J. Winthrop Chanler, A.B. '47, the income of \$1000 is awarded annually, on Commencement Day, to the member of the graduating class of Columbia College who, in the judgment of the Faculty, shall be the author of the best original manuscript essay on the history of civil government in America, or some other historical subject, the subject for 1909 being "Grant and Lee as Military Leaders."

Award of 1908

PAUL WILLIAM HENRY WINDELS

Curtis Medals

An endowment fund of \$1000 has been established by an associate of the late George William Curtis in the work of Civil Service Reform, for the award of two medals of gold and silver for excellence in public delivery of English orations to students in Columbia College. Competitors must be either third- or fourth-year students in regular standing, or in exceptional cases, and with permission of the Dean, special students taking corresponding courses amounting to not less than 21

hours a week. The Department of English publishes about November 1 a list of subjects for the competition. Subjects not on the list may be chosen with the consent of the department provided that application be made not later than December 1. The contestants will be selected by the department at a preliminary competition which will not be open to the public. The final public competition will be held not less than two weeks later. The award will be made by judges appointed by the President.

Award of 1908

Gold Medal—FREMONT AMASA HIGGINS, 1908

Silver Medal—ISRAEL HERBERT LEVINthal, 1909

General Theological Seminary Prizes

Regulations as to the Seminary prizes adopted by the Protestant Episcopal Society for Promoting Religion and Learning in the State of New York, at a stated meeting held on April 25, 1900:

Notice shall be given every year of the conditions of the prizes under the old regulations (see *Announcement of the College for 1900-01*, page 72), and applications invited. Wherever the conditions of the preceding competition show that one or both of the prizes have not been taken for lack of applicants, notice shall at the same time be given of the competition for the prize or prizes thus open under the new regulations set forth each year in the *Announcement of Columbia College*.

The Society's Greek Seminary Prize amounts to \$30 and the Society's English Prize to \$20.

No Award in 1908

John Dash Van Buren, Jr., Prize in Mathematics

A prize known as the John Dash Van Buren, Jr., Prize in Mathematics was established by Mrs. Louis T. Hoyt in memory of her nephew, John Dash Van Buren, Jr., a member of the Class of 1905. The annual income of \$5000 is awarded to the candidate for an academic degree who passes the best examination in analytical geometry, differential and integral calculus, and in such additional subjects as the Department of Mathematics may prescribe.

Award of 1908

PAUL WEAVER

Undergraduate Prizes in Belles-Lettres

Three prizes, aggregating \$150, are offered annually by J. E. Spingarn of the Class of 1895, for encouraging the study of belles-lettres

among the students of Columbia College. A prize of \$60 is offered for the best poem, \$50 for the best critical essay on a work or works of the imagination, and \$40 for the best short story, to be submitted on or before February 1 of each year. Further information may be obtained from the Secretary of the University.

Award of 1908

<i>For the best poem:</i>	RALPH LECLERCQ ROEDER, 1910
<i>Honorable mention:</i>	GEORGE W. CRONYN, 1910
<i>For the best short story:</i>	JOHN HURSTMANCEAUX COLTON, 1911

Award of Honors, Columbia College, 1908

(See page 195)

General Honors

Highest Final General Honors—ALFRED HERRMANN
ALEXANDER HOLTZOFF
WALTER BLIGH WOODBURY

Class of 1908

GEORGE JARDINE BAGLEY	JOHN LEONARD KANTOR
EDWIN MONTEFIORE BORCHARDT	ALBERT ERNST LOBECK
CLEMENT S. BRAININ	FRED HAMILTON RINDGE, JR.
IRVING COMES DEMAREST	GAILLARD SHERBURNE ROGERS
FREMONT AMASA HIGGINS	LOUIS JAMES SAN
JOSEPH STEINER	

Class of 1909

ALBERT LOUIS BAUM	EDGAR JESSE KÄTZ
OSCAR SAMUEL BLINN	DANIEL LEARY, JR.
RHYS CARPENTER	FRANCIS SALZANO
JOHN GEORGE HANRAHAN, JR.	HERBERT CALVIN SKINNER
WILLIAM ARTHUR TRIPP	

Class of 1910

ARTHUR GUNTHER	JOHN DOTH A JONES
CARL FRITZ HÜTTLINGER	EDWARD HEYMAN PFEIFFER
PAUL LOUIS RAPP	

Class of 1911

LOUIS GROSSBAUM	MAURICE PICARD
HERMANN JOSEPH MULLER	WILLIAM NEELY ROSS
RALPH RANGLES STEWART	

Departmental Honors

Chemistry—MICHAEL HEIDELBERGER, *Third Year*
LOUIS JAMES SAN, *Second Year*

Scholarships and Prizes in the School of Law

Twenty-one scholarships of the annual value of \$150 each are available annually for award to candidates for the degree of Bachelor of Laws standing in need of pecuniary aid and whose record for ability and scholarship gives evidence of special fitness for the work of the school.

The scholarships will be awarded by the Faculty at its meeting in June, immediately preceding Commencement. Scholarships not allotted at the June meeting, or becoming vacant, may be filled by the Faculty at its discretion. The awards will be made public not later than July 1.

Benefactors Scholarships.—Eight Morgan and eight Vanderbilt Scholarships, known as Benefactors Scholarships, may be awarded to students who have been in the school for at least one year.

Faculty Scholarships.—Four Faculty Scholarships of the annual value of \$150 each may be awarded to members of any class.

Beck Prize Scholarship.—The Charles Bathgate Beck Prize Scholarship is awarded to first-year candidates who shall pass the best examination in the subjects relating to Real-Estate Law. The holder shall, provided he remains a member of the school, receive one year's income of the prize fund established by the will of Charles Bathgate Beck in equal semi-annual instalments, during the two years following the award. If two or more students pass examinations of equal merit, the income of the fund may be divided.

Awards of Beck Scholarships

1900-1901 CHARLES R. GANTER	1904-1905 JOHN M. GRIFFITH
1901-1902 HENRY STARR GIDDINGS	1905-1906 CHARLES B. SHELTON
1902-1903 H. H. BABCOCK	1906-1907 ROBERT LEROY
E. P. GROSVENOR	1907-1908 CHARLES M. TRAVIS
1903-1904 E. L. BEATTY	1908-1909 EDWARD H. HART

Convers Prize

A prize, known as the E. B. Convers Prize (the annual income of the sum of \$1000), has been established in the School of Law in memory of E. B. Convers, of the Class of 1866. This prize will be awarded annually to such member of the graduating class in the Law

School as may write the best original essay on some legal subject to be chosen from a list of ten subjects prepared each year by the Faculty of Law or on any other legal subject approved by the Faculty.

Fellowships, Scholarships, and Prizes in the College of Physicians and Surgeons

Alumni Association Fellowships

Provision is made annually by the Alumni Association of the College of Physicians and Surgeons for three fellowships, tenable for one year and of an annual value of \$500, open to graduates who have shown special aptitude for scientific research in the Departments of Anatomy, Physiology, and Pathology. Appointments are made by the Executive Committee of the Alumni Association from candidates presented by the professors of Anatomy, Physiology, and Pathology.

Incumbents are expected to devote themselves to scientific research in the department which they may elect, either at Columbia University, where they enjoy free tuition and the privileges of the laboratories, or in other institutions either here or abroad, at their own expense, and at the end of the year's work to present to the Association a thesis containing evidence of independent or original work in their special department.

For 1908-09

WILBUR WARD.....	Pathology
HERMANN VON WECHLINGER SCHULTE.....	Anatomy
DANIEL R. LUCAS.....	Physiology

Proudfit Fellowship in Medicine

The Maria McLean Proudfit Fellowship, endowed by the late Alexander Moncrief Proudfit, A.B. '92, for the encouragement of advanced studies in medicine, is open to any son of native-born American parents, a graduate in medicine, who shall pursue advanced studies in internal medicine under the direction of the Medical Faculty of the University, and who shall, while enjoying such fellowship, remain unmarried, and shall be appointed by the University Council upon the recommendation of the Faculty of Medicine. Appointment shall be made every four years, upon terms to be designated by the Faculty. The Fellow shall carry on his studies under the direction of the Faculty of Medicine.

Proudfit Fellow in Medicine

1904-08 LINSLEY RUDD WILLIAMS
1908 No award

Alonzo Clark Scholarship

By the will of the late Alonzo Clark, M.D., LL.D., for many years President of the College of Physicians and Surgeons, and Professor of

Pathology and Practical Medicine, it has been placed in the power of the Faculty to bestow a scholarship, with an income of about \$700 a year, for the purpose of promoting the discovery of new facts in medical science.

Award of 1908-09

AUGUSTUS B. WADSWORTH

Prizes

The following prizes are awarded for the best medical essay submitted under the conditions named in the statement of each prize, and, in addition, under the following general regulations:

Each essay must be marked with a device or motto, and accompanied by a sealed envelope similarly marked and containing the name and address of the author, and a written statement that the essay contains the result of original investigation made by him, that it is not the work of more than one author, and that it has not at the same time been submitted for any other prize. If in any case no essay is received that is deemed sufficiently meritorious, the prize will not be awarded.

Alumni Association Prize

The Alumni Association Prize of \$500 is awarded biennially (next award, 1910) to an alumnus of the College of Physicians and Surgeons for the best medical essay submitted upon any subject that the writer may select. Essays should be sent to the Secretary of the Alumni Association of the College of Physicians and Surgeons on or before April 1 of the year of award.

No award 1908

Cartwright Prize of the Alumni Association

The Cartwright Prize of \$500 was endowed by a bequest of \$10,000 left by Benjamin Cartwright, and is offered for competition in alternate years with the Alumni Association Prize.

It is awarded on the same terms as the latter, except that it is open to universal competition. (Next award 1909.)

Award of 1907

R. M. YERKES

Joseph Mather Smith Prize

The fund for this prize was given by the relatives, friends, and pupils of the late Dr. Smith, as a memorial of his services as Professor in the College of Physicians and Surgeons from 1826 to 1866. Under the provisions of the trust an annual prize of \$100 is awarded for the best essay on the subject of the year, presented by an alumnus of

the College. The competing essays should be sent to the Dean of the College of Physicians and Surgeons on or before March 10.

No Award in 1908

Stevens Triennial Prize

The Stevens Triennial Prize, value \$200, established by the late Alexander Hodgdon Stevens, M.D., formerly President of the College of Physicians and Surgeons, is open for universal competition.

The Dean of the Medical Faculty, the President of the Alumni Association of the College of Physicians and Surgeons, and the Professor of Physiology are, ex-officio, the administrators of the prize. Essays must be in the hands of the first-named on or before January 1, 1909. (Next award 1909.)

Scholarships

Open to Candidates for the Degree of M.D.

The award of these scholarships is made only to students whose record for ability and scholarship gives evidence of special fitness and who need pecuniary aid to obtain an education. Scholarships are available annually and tenable for one year with an annual value of \$250 each.

Harsen Scholarships

The income of a fund established by the late Jacob Harsen, M.D. in 1859, for the purpose of "promoting the study of Medical and Surgical Practice," has, under an order of the Supreme Court, been made available for the award of five scholarships to students in the College of Physicians and Surgeons, in lieu of the Harsen prizes heretofore awarded. Of these scholarships, which are known as the "Harsen Scholarships," two may be awarded to students taking the second year in the medical course; two to students in their third year; and one to students in their fourth year, provided that the aggregate of the stipends of such scholarships shall not exceed the income earned by the fund during the preceding year.

Faculty Scholarships

These are four in number and may be awarded to members of any class.

Vanderbilt Scholarships

In recognition of the liberal gifts of William H. Vanderbilt to the College of Physicians and Surgeons, four scholarships, to be known as the "William H. Vanderbilt Scholarships," have been established. These are open to students of any class.

Scholarships and Prizes in the Schools of Mines, Chemistry, and Engineering

Thirty-five scholarships of the annual value of \$250 each are available annually for award to meritorious candidates for professional degrees in Mines, Engineering, and Chemistry, who are in good academic standing, and in need of pecuniary aid.

The awards will be made not later than July 1 by the Committee on Scholarships. Scholarships not allotted at this time, or becoming vacant, shall be filled by the Committee at its discretion.

In recognition of the liberal gifts for the purchase of the site on Morningside Heights which have been received from J. Pierpont Morgan, Cornelius Vanderbilt, D. Willis James, Morris K. Jesup, Samuel D. Babcock, Oswald Ottendorfer, and others, the Trustees have established a number of scholarships, twenty-seven of which are open to students in the Schools under the Faculty of Applied Science, as follows: seven Morgan, seven Vanderbilt, ten James, one Jesup, one Babcock, and one Ottendorfer. These scholarships may be awarded to students who have been in the University for at least one year.

In addition to the above, eight Faculty scholarships may be awarded to members of any class.

Marcus Daly Scholarship in Mining Engineering

The Marcus Daly Scholarship of the annual value of \$1000, maintained by Mrs. James W. Gerard in memory of her father, is open to that worker or descendant of a worker in the Montana mines who passes the best competitive entrance examinations to the course in mining engineering. The winner of the scholarship shall hold the same throughout his course in mining engineering, subject to the same conditions of reappointment as those imposed upon the holders of competitive scholarships in Columbia College. As soon as the term of one holder of the scholarship is about to expire, another competitive examination is held.

1904-08 HENRY FARMER DAVIS

1908- CORNELIUS G. SULLIVAN

Illig Medals

A bequest of \$2000 left by William C. Illig, E.M. '82, provides for the annual award of medals at Commencement to the student or students in the graduating class of the Schools of Mines, Engineering, and Chemistry, who shall, in the judgment of the Faculty, have merited the same by commendable proficiency in their regular studies.

Award of 1908

LEWIS MEREDITH JONES
HAROLD ALLEN THOMAS
EDWARD CROSBY JONES

Darling Prize

The Edward A. Darling Prize in Mechanical Engineering, the income of \$1000, bequeathed by Edward A. Darling, formerly Superintendent of Buildings and Grounds, shall be awarded annually to the most faithful and deserving student of the graduating class in mechanical engineering, the recipient of the prize to be chosen by ballot by members of the graduating class in the Course in Mechanical Engineering from among three names to be chosen by the Faculty of Applied Science.

Award of 1908

GEORGE EDWIN CRAWLEY (Selected by the Class for prize)

FREDERICK JOHN BYRNE

LEONARD FLAGG OTTEN

Scholarships and Fellowships in the School of Architecture

Columbia Fellowship

The Columbia Fellowship in Architecture, the net income of \$13,000, established in recognition of the gifts of F. Augustus Schermerhorn, E.M. '68, to the Department of Architecture, is open each year to graduates of the three preceding years, and is awarded in June as the result of a competition in design. The winner is required to spend a year in the School as a graduate student in Design. The value of this Fellowship in 1908 is \$535.

Columbia Fellows in Architecture. (NOTE—Until 1905 this was a travelling fellowship awarded biennially)

1890-91 ARTHUR A. STOUGHTON
1892-93 HORACE B. MANN
1894-95 SETH JUSTIN TEMPLE
1896-97 WILLIAM KINNE FELLOWS
1898-99 WILLIAM CLARK AYRES
1900-01 THEODORE BLONDEL, JR.

1902-03 ARTHUR WARE
1904-05 HUBERT VAN WAGENEN, JR.
1905-06 THOMAS WILLIAM LUDLOW
1906-07 EMILIO LEVY
1907-08 No award
1908-09 EDWARD JOHN STORK

McKim Fellowships

The McKim Fellowship in Architecture, endowed by gift of Charles F. McKim of \$20,000, is open to graduates who have received their degrees within six years preceding its bestowal, and is awarded in May of each year as the result of a competition in design. The holder is required to spend a year in foreign travel and study. Any incumbent who has displayed marked proficiency and promise is eligible to reappointment for one year, but no more. The value of this Fellowship is \$820.

McKim Fellows in Architecture

1891-92	A. C. M. DEL MONTE	1899-1901	LIVINGSTON PELL
	ALEXANDER M. WELCH		WILLIAM EDWARD PARSONS
1893-95	GEORGE OAKLEY TOTTEN, JR.	1901-02	CHARLES LUDWIG OTTO
	WILLIAM LINCOLN THORNE		EDWARD NECARSULMER
1895-97	JOHN RUSSELL POPE	1903-04	FRANCIS AUGUSTUS NELSON
1897-98	HARRY ALLAN JACOBS		GEORGE WASHINGTON JACOBY
1898-99	JOHN RUSSELL POPE	1904-05	No incumbent
	HARRY ALLAN JACOBS	1905-07	LUCIEN EASTER SMITH
	1907-09	WILLIAM LAWRENCE	BOTTOMLEY

Perkins Fellowship

A travelling fellowship, the net income from a fund of \$5700, from the bequest of the late Willard P. Perkins, is awarded every fourth year, the next award being in 1910. The conditions of award and the purposes of the fellowship are the same as for the McKim Fellowships.

Perkins Fellows

1902-03	CHARLES SUMNER KAISER
1906-07	ARTHUR LOBO

Scholarships

Four scholarships of the value of \$200 are awarded in the School of Fine Arts, under the same general conditions as those in the Schools of Mines, Engineering, and Chemistry (see page 439).

BARNARD COLLEGE

Honors

Honors are of two kinds, departmental and general honors. The regulations governing their award are the same as those for the corresponding "Honors in Columbia College" (see page 195).

Departmental—	<i>Anthropology</i>	DORA ASKOWITH, <i>Final</i>
	<i>Geology</i>	FRANCES MAY INGALLS, <i>Second Year</i>
		ELSIE SMITH, <i>First Year</i>
		EDNA REBECCA SCALES, <i>First Year</i>
	<i>History</i>	DORA ASKOWITH, <i>Final</i>
	<i>Latin</i>	ALICE GRAUGER JAGGARD, <i>Third Year</i>
	<i>Mathematics</i>	MABEL LOUISE PETERSON, <i>Final</i>
		LOUISE MAY TATTERSHALL, <i>Final</i>
		MARIAN WILSON, <i>Final</i>
		MARY CECILIA DEMAREST, <i>Third Year</i>
		ELLA ADELAIDE WAITE, <i>Second Year</i>
	<i>Zoölogy</i>	MAY CHARLOTTE AXT, <i>Final</i>
		ELIZABETH FREEMAN FOX, <i>Final</i>

General—Highest Final General Honors

EVELYN BLUNT MACDONALD

Class of 1908

DORA ASKOWITH	MARGUERITE CORLIES NEWLAND
DOROTHEA ELTZNER	MABEL LOUISE PETERSON
ELIZABETH FREEMAN FOX	HELEN IDA VEITH
FLORENCE JOSEPHINE MASTIN	FLORENCE MARTHA WOLFF
JENNIE MARIE YOUNG	

Class of 1909

UNA MERRILEES BERNARD	EDITH JOSEPHI
HELENE MARIE BOAS	EUNICE HOTALING MILLER
ALICE CATHERINE GRANT	SARA ROME
HILDA WOOD	

Class of 1910

HARRIET RUTH FOX

Class of 1911

GERTRUDE ELIZABETH SAUL	KATE HUNTINGTON TIEMANN
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Scholarships

There are altogether forty-one scholarships and three special funds for the aid of needy and deserving students.

For a detailed statement of the values of the various scholarships, the conditions under which they are awarded, the regulations regarding applications, and the like, the *Announcement of Barnard College* should be consulted. This may be obtained without charge upon application to the Secretary of Barnard College.

The following is a summary of the scholarships:

Competitive

(Awarded for excellence in entrance examinations)

1. Open to all Students:

Trustees' Competitive Scholarship ¹	1
Jessie Kaufmann Scholarship.....	1

2. Open to Particular Students:

Brooklyn Scholarships.....	12
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¹ The Trustees' Competitive Scholarship was won by Harriet Florence Hale, who also won a Brooklyn Scholarship and chose to retain the latter rather than the Trustees' Scholarship. The Trustees' Competitive Scholarship was, therefore, not awarded in 1908-1909.

Series of 1908-12

HARRIET FLORENCE HALE

JENNIE KING MACKAY

SHIRLEY GLEASON

Lucille Pulitzer Scholarships..... 3

Non-competitive

(Awarded on the nomination of the Committee on Scholarships of the Faculty to worthy students who have passed at least one year in College.)

1. *Open to all Students:*

Student Scholarships.....	12
Ella Weed Scholarship.....	1
Veltin School Scholarship.....	1
Jennie B. Clarkson Scholarship.....	1
Emily James Smith Scholarship.....	1
Anna E. Barnard Scholarship.....	1
Brearley School Scholarship.....	1
Eliza Taylor Chisholm Memorial Scholarship.....	1
Graham School Scholarship.....	1
Keller School Scholarship.....	1

2. *Open to Particular Students:*

Mrs. Donald McLean Scholarship.....	1
Emma Hertzog Scholarship.....	1
Mrs. Henry Clarke Coe Scholarship.....	1

3. *Special Funds for the Aid of Needy and Deserving Students:*

Arthur Brooks Fund, income of \$5000
Fiske Scholarship Fund, income of \$5000
George W. Smith Scholarship Fund, income of \$5000

Prizes

Kohn Mathematical Prize of \$50

MABEL LOUISE PETERSON

Honorable Mention:

LOUISE MAY TATTERSHALL

Herrman Botanical Prize of \$50

HELENE MARIE BOAS

Detailed statements about the conditions governing the award of prizes will be found in the current edition of the *Barnard College Announcement*, which can be obtained without charge of the Secretary of Barnard College.

TEACHERS COLLEGE

Fellowships in Education

Teachers College awards annually four or more fellowships and eight or more graduate scholarships.

Fellows for 1908-1909

GEORGE LEROY JACKSON

PETER SANDIFORD

EDWIN REAGAN SNYDER

Research Scholars

CARTER ALEXANDER

WILLIAM HEARD KILPATRICK

HARRY ERWIN BARD

RAYMOND WILLIAM SIES

ISAAC LEON KANDEL

GUY FRED WELLS

Graduate Scholars

TSURU ARAI

JOSEPH ALDEN MCKNIGHT

ARCHIBALD WATSON BAIN

DAVID A. MODELL

ELLA ADELINE BUSCH

OLIVER JAMES MORELOCK

J. W. CARR

JANE HERBERT NICHOLSON

LAURA CAUBLE

BLENDA OLSON

EMMETT E. GILTNER

CHARLES ALLEN PROSSER

EDWARD F. HUMPHREY

TEJA SINGH

WILLIAM HARDIN LUCAS

SIMON HORACE WILLIAMS

*Undergraduate Scholarships**Tileston Scholar*

CAROLINE MARION ARBUS

Shackleford Scholar

ESTELLA E. BAKER

Pierrepoint Scholar

ELIZABETH MARY WILLIS

Pond Scholar

JEANETTE EZEKIELS

Charlotte Louise Williams Scholars

GRACE LAWRENCE MORRISON

ISABEL MARY STEPHENS

Earl Scholars

GEORGE ALOYSIUS LYNCH

ALFRED C. HAWKINS

Hoadley Scholars

RAY VIRGINIA VAN VORT

MARY ALICE WALES

Caroline Scholar

ALICE MARIE LOOMIS

Jenkins Scholars

JOSEPHINE ADAIR ANDREWS

LILY NASH

VILLA AUGUR

MARY LOUISA NEER

LOUISE M. WADE BARNES

JAMES O'GORMAN

LOUIE CROFT BOYD

SEYMOUR L. SMITH

ALBERT FINK

ELIZABETH LOUISE STEINBRENNER

FANNIE MARIA KERNS

ELEANOR WHITCOME

WILLIAM H. WILEY

Macy Scholars

JESSICA BAGLEY

NATALIE LANCASTER

MARION BURGIN

NELLIE G. McCONNELL

EMMA DENTON

EDITH GRACE RICE

ELLA V. DOBBS

ANNIE H. SMITH

ELLA CAPERS JONES

ARTHUR ELLIOTT SUFFERN

LEON D. TAGGART

Army and Navy Scholar

ELIZABETH PHILLIPS HALL

United Daughters of the Confederacy Scholar

ARMIDA MOSES

Brown Scholar

EDWIN HENRY LEE

Filipino Scholars

FRANCISCO BENITEZ

CAMILO OSIAS

SILVERIO DINOSO

JOSE TEODORO

Porto Rican Scholars

ISABEL BACÓ

AUGUSTINA MUSA

AMÉRICA PUIG

Prize of the United Daughters of the Confederacy

CHRISTINE HOLMES BOYSON

College of Pharmacy**Prizes***Max J. Breitenbach Prize*

A cash prize of \$200 is presented annually by Mr. Max J. Breitenbach for the highest proficiency in the Senior University Course.

Award in 1908-09

ESTELLE V. WISEDANGER

Kappa Psi Gold Medal

ESTELLE V. WISEDANGER

UNIVERSITY BIBLIOGRAPHY

FOR THE ACADEMIC YEAR ENDING JUNE 30, 1908

I. Official Publications of Columbia University

Unless otherwise stated, all the publications named below are distributed without charge upon application to the Secretary of Columbia University.

Annual Catalogue: See Table of Contents, pages iii-x. Issued each December. Price 25 cents.

Annual Reports of the President and the Treasurer to the Trustees: issued each November.

Directory of Officers and Students: issued each year soon after the opening of the University; contains the names, office hours, and addresses of the officers of the University, and the names and addresses of the students registered up to the time of publication.

General Catalogue of the Alumni: issued sextennially; contains the names and addresses of all graduates of the University. The current edition is that of 1906. Price, \$2.00. For sale at the University Press Bookstore and in the office of the Registrar.

Announcements of the various parts of the work of the University are issued in the spring of each year and contain detailed information concerning admission, expenses, courses of instruction to be given during the coming year, and requirements for degrees. They include:

Columbia College, for the work for men leading to the degree of Bachelor of Arts.

School of Law, for the work leading to the degree of Bachelor of Laws.

College of Physicians and Surgeons, for the work leading to the degree of Doctor of Medicine.

Schools of Mines, Engineering, and Chemistry, courses in Mining and Metallurgy, in Chemistry, and

in Civil, Electrical, and Mechanical Engineering.

Faculties of Political Science, Philosophy, and Pure Science, for all non-professional advanced work leading to the degrees of Master of Arts and Doctor of Philosophy.

Faculty of Fine Arts, including courses given in the School of Architecture, the School of Music, the School of Design, and in

the Departments of Fine Arts and Music in Teachers College, and courses in allied subjects.

Yale-Columbia Courses in Foreign Service.

Extension Teaching, Residence Halls, Summer Session.

Summer Courses in Medicine.

Circular of Information as to Entrance Examinations and Admission.

Circular of General Information, with views of the University buildings.

Student Organizations, Athletic and Other, under the supervision

of the Comptroller of Student Organizations.

Announcements of the several divisions of the University are issued in the spring, and contain full information concerning the work of the coming year, or years, in those divisions. These circulars are devoted to Biology; Classical Philology; Geology, Geography, and Mineralogy; History, Economics, and Public Law; Mathematical and Physical Science; Modern Languages and Literatures; Physical Education; Oriental Languages; Philosophy, Psychology, and Anthropology.

Publications of Barnard College:

Announcement of Barnard College: contains full information concerning admission, expenses, courses of instruction, and requirements for the degree of Bachelor of Arts.

Report of the Dean: issued yearly.

These publications are distributed without charge upon application to the Secretary of Barnard College.

Publications of Teachers College:

Announcement of Teachers College: issued annually; contains full information concerning the organization, equipment, and work of this institution, the Department of Education of Columbia University.

Report of the Dean: issued each November.

Special Circulars describing the work of the departments of:

Educational Psychology, History and Philosophy of Education, Educational Administration, Secondary Education, Elementary Education, Physical Education,

Kindergarten, Domestic Art, Domestic Science, Fine Arts, Manual Training, Music, and of other departments.

These may be obtained without charge upon application to the Secretary of Teachers College.

Special Announcement of Extension Teaching, and Syllabi of Extension Courses, a list of which may be had by addressing the Director of Extension Teaching, Teachers College.

Circular of the Horace Mann School; a school fully equipped with kindergarten, elementary,

and secondary classes, maintained by Teachers College as a school of observation.

without charge upon application to the Superintendent of the Horace Mann School.

This circular may be obtained

Publications of the College of Pharmacy:

Announcement of the College of Pharmacy: issued annually; contains full information concerning the organization, equipment, and work of this institution.

II. The Columbia University Press

The Columbia University Press was organized with the approval of the Trustees of Columbia College and was incorporated June 8, 1893, for the purpose of promoting the publication of works embodying the results of original research. The Press is a private corporation, related directly to Columbia University by the provisions that its Trustees must always be officers of the University, and that the President of the University shall be the President of the Press.

Trustees

THE PRESIDENT OF THE UNIVERSITY (*ex-officio*)

WILLIAM H. CARPENTER, *Secretary*

JOHN B. PINE, *Treasurer*

Professors MATTHEWS, G. R. CARPENTER, GIDDINGS, WILSON, PECK, HOWE, and LEE.

During the year ending July 1, 1908, the Press issued:

The ancient history of China to the end of the Ch'ou Dynasty. By FRIEDRICH HIRTH. 1908. 20+383 p. map. \$2.50 *net*.—The history of transportation in the eastern cotton belt to 1860. By ULRICH BONNELL PHILLIPS. 1908. 17+405 p. maps. \$2.75 *net*.—The currency problem and the present financial situation. A series of addresses delivered at Columbia University, 1907-1908. 1908. 27+170 p. paper, \$1.25; cloth, \$1.50 *net*. Contents:

1. Introduction. The crisis of 1907 in the light of history. By EDWIN R. A. SELIGMAN.—2. The modern bank. By FRANK A. VANDERLIP.—3. The Stock Exchange and the money market. By THOMAS F. WOODLOCK.—4. Government currency *vs.* bank currency. By A. BARTON HEPBURN.—5. Gold movements and the foreign exchanges. By ALBERT STRAUSS.—6. The New York Clearing House. By WILLIAM A. NASH.—7. Clearinghouses and the currency. By JAMES G. CANNON.—8. American and European banking methods and bank legislation compared. By PAUL M. WARBURG.—9. The modern corporation. By GEORGE W. PERKINS.

A series of twenty-one lectures descriptive in untechnical language of the achievements in Science, Philosophy, and Art, and indicating the present status of these subjects as concepts of human knowledge, by various professors chosen to represent the several departments of instruction:—

Mathematics. By CASSIUS JACKSON KEYSER.—Physics. By ERNEST FOX NICHOLS.—Astronomy. By HAROLD JACOBY.—Geology. By JAMES FURMAN KEMP.—Biology. By EDMUND B. WILSON.—Physiology. By FREDERIC S. LEE.—Botany. By HERBERT MAULE RICHARDS.—Zoology. By HENRY E. CRAMPTON.—Anthropology. By FRANZ BOAS.—Archæology. By JAMES RIGNALL WHEELER.—History. By JAMES HARVEY ROBINSON.—Economics. By HENRY ROGERS SEAGER.—Politics. By CHARLES A. BEARD.—Jurisprudence. By MUNROE SMITH.—Sociology. By FRANKLIN HENRY GIDDINGS.—Philosophy. By NICHOLAS MURRAY BUTLER.—Psychology. By ROBERT S. WOODWORTH.—Metaphysics. By FREDERICK J. E. WOODBRIDGE.—Ethics. By JOHN DEWEY.—Philology. By A. V. W. JACKSON.—Literature. By HARRY THURSTON PECK.

These lectures are published separately in pamphlet form, at the uniform price of twenty-five cents, by mail twenty-eight cents.

The Press also issued numbers of the following:¹

Studies in Comparative Literature.

A history of literary criticism in the Renaissance. By J. E. SPINGARN. 2d edition. Revised and augmented. 1908. 11+350 p. \$1.50 net.—The Oriental tale in England in the eighteenth century. By MARTHA PIKE CONANT. 1908. 26+312 p. \$2.00 net.—The French influence in English literature from the accession of Elizabeth to the Restoration. By ALFRED HORATIO UPHAM. 1908. 9+560 p. \$2.00 net.

Studies in English.

Second series. Vol. I, No. 1. Outlines of the literary history of Colonial Pennsylvania. By M. KATHERINE JACKSON. 1908. 7+177 p. \$1.25 net.—No. 2. Byron and Byronism in America. By WILLIAM ELLERY LEONARD. 1908. 6+126 p. \$1.00 net.—Vol. II, No. 1. Sir Walter Scott as a critic of literature. By MARGARET BALL. 1908. 10+188 p. \$1.00 net.—No. 2. The early American novel. By LILLIE DEMING LOSHE. 1908. 6+131 p. \$1.00 net.—No. 3. Studies in New England transcendentalism. By HAROLD C. GODDARD. 1908. 10+217 p. \$1.00 net.—Vol. III, No. 2. A study of Shelley's drama "The Cenci." By ERNEST SUTHERLAND BATES. 1908. 9+103 p. \$1.00 net.—No. 3. The accusative with infinitive and some kindred constructions in English. By JACOB ZEITLIN. 1908. 11+177 p. \$1.00 net.—Vol. IV, No. 1. Government regulation of the Elizabethan drama. By VIRGINIA CROCHERON GILDERSLEEVE. 1908. 7+259 p. \$1.25 net.

Germanic Studies.

Vol. III, No. 3. Bayard Taylor's translation of Goethe's Faust. By JULIANA HASKELL. 1908. 11+110 p. \$1.00 net.

Lectures upon the Blumenthal Foundation.

Constitutional government in the United States. By WOODROW WILSON. 1908. 7+236 p. \$1.50 net.

Contributions to Oriental History and Philology.

No. 1. Sumerian hymns from cuneiform texts in the British Museum. By FREDERICK AUGUSTUS VANDERBURGH. 1908. 83 p. \$1.00 net.

Oriental Studies.

Vol. II. Parody in Jewish literature. By ISRAEL DAVIDSON. 1907. 23+292 p.

¹ For previous issues from the Press see the *University Catalogue* for 1899-1900, pages 398-399; 1900-1901, pages 455-456; 1901-1902, pages 439-441; 1902-1903, pages 445-449; 1903-1904, pages 439-443; 1904-1905, pages 465-470; 1905-1906, pages 440-444; 1906-1907, pages 384-387; 1907-1908, pages 418-425; and the full catalogue issued by The Macmillan Co.

facsimiles. \$2.75 *net*.—Vol. V. History of the city of Gaza from the earliest times to the present day. By MARTIN A. MEYER 1907. 13+182 p. \$1.50 *net*.—Vol. VI. Bustan al-Ukul. By Nathanael ibn al-Fayyumi. Edited and translated by DAVID LEVINE. 1908. 16+142+88 p. \$2.50 *net*.

Columbia University Quarterly, and Teachers College Record.

III. Publications, Contributions, and Serial Studies from the University¹ with Date of Foundation

Unless otherwise indicated these are published by the editor from Columbia University. When prices are not given they may be had on application.

Biological Series.—1892; managing editors, H. F. Osborn and E. B. Wilson; Columbia University Press, about one volume a year; per volume (from 300 to 400 pages), \$2.00 to \$3.50.

Botanical Club, Memoirs of the Torrey.—1889; published by the Club; \$3.00 per volume.

Vol. IV, No. 1. A study of the Lactariæ of the United States. By GERTRUDE S. BURLINGHAM (1908).

Botany, Contributions from the Department of.—1886; short papers, in part reprints; editor, L. M. Underwood; per volume (about 330 pages, 30 plates), \$5.00.

No. 235. The North American species of the genus *Ipomœa*. By HOMER DOLIVER HOUSE (1908).

Botany, Memoirs of the Department of.—1895; more extended monographs; editor, L. M. Underwood; \$6.00 per volume; list on application.

Chemistry, Contributions from the Havemeyer Laboratories.—1898; reprints of papers recording research by officers and students in the School of Chemistry; managing editor, C. F. Chandler; issued annually; price on application.

Vol. X, No. 137. The calculation of chemical equilibria. By K. GEORGE FALK.—No. 138. The balance of acid-forming and base-forming elements in food. By H. C. SHERMAN and J. EDWIN SINCLAIR.—No. 139. Some new double phosphates of chromium. By LOUIS J. COHEN.—No. 140. Molten hydrated salts as solvents for the freezing-point method. By J. LIVINGSTON R. MORGAN and H. K. BENSON.—No. 141. Determination of molecular weights by distribution experiments. By J. LIVINGSTON R. MORGAN and H. K. BENSON.—No. 142. Molten hydrated salts as solvents for the freezing-point method, II. By J. LIVINGSTON R. MORGAN and F. T. OWENS.—No. 143. Platinum resistance furnace for melting points and combustions. By S. A. TUCKER.—No. 144. On some analytical properties of pine-wood oils. By OTTO KRESS.—No. 145. The ignition temperatures of gaseous mixtures (2d paper). By K. GEORGE FALK.—No. 146. The determinations of carbon monoxide

¹ For purposes of record and information, it is the aim to publish each year a complete list of the numbers issued in each of these series during the preceding academic year. If no list appears under a given heading, it may be assumed that no numbers were issued.

in atmospheric air. By J. LIVINGSTON R. MORGAN and JOHN E. MCWHORTER.—No. 147. The stereo-chemistry of indigo (Preliminary communication). By K. GEORGE FALK and J. M. NELSON.—No. 148. Experiments upon Barfoed's acid cupric acetate solution as a means of distinguishing glucose from maltose, lactose, and sucrose. By F. C. HINKEL and H. C. SHERMAN.—No. 149. The weight of a falling drop and the laws of Tate. The determination of the molecular weights and critical temperatures of liquids by the aid of drop weights. By J. LIVINGSTON R. MORGAN and RESTON STEVENSON.—No. 150. The electrolytic determination of bismuth. By F. J. METZGER and H. T. BEANS.—No. 151. Researches on quinazolines (Twentieth paper): On certain 7-nitro-2-methyl-4-quinazolines from 4-nitro-acetantranil. By MARSTON TAYLOR BOBERT and WILLIAM KLABER.

Classical Philology, Studies in.—1902; results of original research in the classical languages and literatures; edited by H. T. Peck and E. D. Perry; Columbia University Press.

Comparative Literature, Studies in.—1899; results of literary research or criticism; editors J. B. Fletcher and J. E. Spingarn; Columbia University Press. Eight volumes have already been published, and others are in preparation.

Education, Columbia University Contributions to.—1905; a series of monographs published by Teachers College, continuing the educational numbers of the Columbia University Contributions to Philosophy, Psychology, and Education; consist of dissertations for the doctor's diploma and degree and works of a similar character; four or five numbers per year; 100-200 p. and over.

No. 9. A vocabulary of High School Latin. By GONZALEZ LODGE. 1908. 217 p. Price, \$1.50.—No. 16. The learning process; or, Educational theory implied in theory of knowledge. By JESSE H. COURSAULT. 1908. 99 p. Price, \$1.00.—No. 17. The origin of the moving school in Massachusetts. By HARLAN UPDEGRAFF. 1908. 186 p. Price, \$1.50.—No. 18. Systematic study in elementary schools. By LIDA BELLE EARTHART. 1908. 97 p. Price, \$1.00.—No. 19. Arithmetical abilities and some factors determining them. By CLIFF WINFIELD STONE. 1908. 101 p. Price, \$1.00.

Educational Reprints, Columbia University.—1906; published by Teachers College.

No. 12. Idiocy and its treatment by the physiological method. By EDWARD SEGUIN. New York, 1866. 1908. 202 p. Price, \$2.00.

Electrical Engineering, Contributions from the Department of.—1889; papers (chiefly reprints) by officers and students; managing editor, F. B. Crocker.

English, Studies in.—1900; issued by authority of the Department of English; Columbia University Press.

Geological Department, Contributions from the.—1892; include short contributions and longer monographs; managing editor, J. F. Kemp.

Vol. XVII, No. 7. Geology and mining of the tin-deposits of Cape Prince of Wales, Alaska. By ALBERT HILL FAY.—No. 8. A peridotite dike in the coal measures of southwestern Pennsylvania. By J. F. KEMP and J. G. ROSS.—No. 9. Studies

of Gastropoda, III: On orthogenetic variation in Gastropoda. By AMADEUS W. GRABAU.—No. 10. An interesting discovery of human implements in an abandoned river channel in southern Oregon. By J. F. KEMP.—No. 11. The Promontorio silver-mine, Durango, Mexico. By FRANCIS CHURCH LINCOLN.—No. 12. Quality of bluestone in the vicinity of the Ashokan dam. By CHARLES P. BERKEY.—No. 13. Geology. By J. F. KEMP.—No. 14. On determination of mineral constitution through recasting of analyses. By ALEXIS A. JULIEN.—No. 15. Desiccation conglomerates in the coal-measures limestone of Ohio. By JESSE E. HYDE.—The Section of Geology and Mineralogy of the New York Academy of Sciences. By CHARLES P. BERKEY.—No. 17. The magnetite belts of Putnam County, N. Y. By C. A. STEWART.—No. 18. The Mineville-Port Henry mine group. By JAMES F. KEMP.—No. 19. Some igneous rocks from the Ortiz Mountains, New Mexico. By I. H. OGILVIE.—No. 20. Waters, meteoric and magnetic. By JAMES F. KEMP.—No. 21. Features indicative of physiographic conditions prevailing at the time of the trap extrusions in New Jersey. By C. N. FENNER.

Germanic Studies.—1899; results of original research in Germanic languages and literatures; Editors, W. H. Carpenter and Calvin Thomas; Columbia University Press.

History, Economics, and Public Law, Studies in.—1891; results of original research by students in the School of Political Science; managing editor, E. R. A. Seligman; Columbia University Press; one volume or more issued yearly; price per volume, \$3.00 to \$4.50.

Vol. XXVIII, No. 2. The Legislature of the Province of Virginia: Its internal development. By ELMER I. MILLER. 1907. 182 p.—No. 3. The distribution of ownership. By JOSEPH HARDING UNDERWOOD. 1907. 219 p.

Vol. XXIX, No. 1. Early New England towns. By ANNE BUSH MACLEAR. 1908. 183 p.

Vol. XXXI, No. 1. Private freight cars and American railroads. By L. D. H. WELD. 1908. 185 p.—No. 2. Ohio before 1850. By ROBERT E. CHADDOCK. 1908. 155 p.—No. 3. Consanguineous marriages in the American population. By GEORGE B. LOUIS ARNER. 1908. 101 p.—No. 4. Adolphe Quetelet as a statistician. By FRANK H. HANKINS. 1908. 135 p.

Indo-Iranian Series.—1900; work in the Indo-Iranian Languages; editor, A. V. Williams Jackson; Columbia University Press.

Lectures upon the Blumenthal Foundation.—1906; lectures on subjects of practical politics, supported by the income of the George Blumenthal Endowment Fund.

Library Bulletins.—Founded in 1897 as Publications; show the resources of the Library on various subjects; editor, C. Alex. Nelson; published by the Library.

Mineralogy, Contributions from the Department of.—1892; articles and text-books by officers and students; managing editor, A. J. Moses.

Vol. XIII, No. 2. Fusion table of minerals in the oxy-gas blowpipe flame. By LEA MCL. LUQUER. 1908.—No. 3. Laboratory guide. The order in which the work is to be done and a synopsis of the tests required in certain courses in mineralogy given at Columbia University. 1908.

Observatory, Contributions from the.—1892; astronomical researches; managing editor, Harold Jacoby.

No. 25. Rutherford photographs of stars surrounding 59 Cygni. By HAROLD JACOBY. 1908. 23 p. *Octavo*.

Oriental History and Philology, Contributions to.—1908; edited by Richard J. H. Gottheil; Columbia University Press.

Oriental Studies.—1902; results of original research in the Oriental languages and literatures; edited by Richard J. H. Gottheil; Columbia University Press.

Pathology, Studies from the Department of.—1890; results of research in the department; managing editor, T. M. Prudden; on sale by J. T. Dougherty, New York; price per volume (about 175 pages), \$1.00.

Philosophy, Archives of.—1907; original studies by officers and students; edited by F. J. E. Woodbridge; New York: The Science Press; per number, average, 75c.; per volume (about 450 pages), average, \$3.00.

No. 1. The concept of control. By SAVILLA ALICE ELKUS. 1907. 4+40 p.—No. 2. The will to believe as a basis for the defense of religious faith. A critical study. By ETTIE STETTHEIMER. 1907. 6+97 p.

Physiological Chemistry—Biochemical Researches : Collected Reprints of Publications from the Laboratory of.—1899; results of research in the department; managing editor, William J. Gies; price per volume (of 700–800 pages), \$5.00.

Physiology, Studies from the Department of.—1900; reprints of articles published by officers and students of the department; edited by J. G. Curtis and F. S. Lee.

VOL. II. Reprints, 1898–1901.—VOL. III. Reprints, 1902–1907.

Psychology, Archives of.—1905; edited by R. S. Woodworth; New York: The Science Press; per volume (600–700 pages), \$5.00.

No. 6. The influence of bodily posture on mental activities. By ELMER ELLSWORTH JONES. 1907. 61 p.—No. 7. A statistical study of literary merit, with remarks on some new phases of the method. By FREDERIC LYMAN WELLS. 1907. 30 p.—No. 8. The relation between the magnitude of stimulus and the time of reaction. By SVEN FROEBERG. 1907. 38 p.—No. 9. The perceptual factors in reading. A quantitative study of the psychological processes involved in word perception. By FRANCIS MARION HAMILTON. 1907. 56 p.—No. 10. Time in English verse rhythm. An empirical study of typical verses by the graphic method. By WARNER BROWN. 1908. 3+77 p.

Romance Philology and Literature, Studies in.—1900; edited by Adolphe Cohn and H. A. Todd; Columbia University Press.

University Extension Syllabi.—1903; contain outlines of study, bibliographies, and references, and furnish systematic guides for the

private student, reading circles, and classes of instruction; Series A contains syllabi of collegiate courses; Series B contains syllabi of shorter lecture courses; New York: Teachers College; price, 10 cents per copy.

Series A, No. 21. Wood and wood-working. By WILLIAM C. NOYES.—No. 22. American government. By S. T. DUTTON.—No. 23. Theory and practice of teaching in elementary schools. By Professors STRAYER, BAKER, DODGE, JOHNSON, and Mr. UPTON.—No. 24. Epochs of history. By J. T. SHOTWELL.—No. 25. Musical art. By C. H. FARNSWORTH.—No. 26. Theory and practice of teaching manual training. By C. R. RICHARDS.

Series B, No. 9. Problems of the city and the nation. By E. E. AGGER.—No. 21. Our country's resources. By C. F. WALKER.—No. 22. Nation making. By J. P. LICHTENBERGER.—No. 23. Party government in the United States. By C. A. BEARD.

A list of other books and pamphlets published by Teachers College may be had on application to Bureau of Publications, Teachers College, New York City.

IV. Journals

Issued under the Editorial Direction of Officers of Columbia University

Bulletin of the Torrey Botanical Club.—1870; devoted to scientific botany in its widest sense; associate editors, T. E. Hazen and H. M. Richards; published by the Club monthly, 30c.; per year (about 650 p., with 40 plates), \$3.00.

Charities.—1897; devoted to local and general philanthropy; editor, Edward T. Devine; Charity Organization Society; weekly, 5c.; monthly, 10c.; per year (about 600 pages), \$2.00.

Classical Weekly.—1907; continuing the New York Latin Leaflet; official organ of the Classical Association of the Middle States and Maryland; will contain a complete bibliography of current Greek and Latin articles and publications; Gonzalez Lodge, editor-in-chief, assisted by an editorial board of six; weekly; per year, \$1.00.

Columbia University Quarterly.—Continuing, since 1898, the **Bulletin**, founded in 1890; publishes articles on the history, the current activities, and the policy of Columbia University, for the information of its officers, alumni, and friends; edited by a committee (managing editor for 1908, R. Tombo, Jr.); Columbia University Press; quarterly (125 pages), with occasional supplements, 30c.; per year, \$1.00.

Economic Geology; with which is incorporated the American Geologist.—1905; devoted to geology as applied to mining and allied industries; J. F. Kemp, associate editor; Economic Geology Pub. Co., Lancaster, Pa.; semi-quarterly; 50c.; per year, \$3.00.

Educational Review.—1891; devoted to the study of education in all its forms; containing articles, discussions, book reviews, foreign

correspondence, and editorial review of current events; edited by Nicholas Murray Butler; New York: Educational Review Publishing Co.; monthly, except July and August (108 p.); per year, \$3.00; foreign, \$3.50.

Hibbert Journal.—1902; a quarterly review of religion, theology and philosophy; C. J. Keyser, the representative of the American editorial board; London: Williams and Norgate; per year. \$2 50; per copy, 75c.

Journal of Geography.—1902; devoted to the interests of teachers of geography in elementary, secondary, and normal schools; edited by Richard E. Dodge; published by Teachers College; monthly, except July and August (32 p.), per year, \$1.00.

Journal of Nervous and Mental Diseases.—1872; devoted to the study of diseases of the nervous system; advisory board of editors includes M. A. Starr and F. Peterson; Alliance Press Co.; monthly (80 p.), 50c.; per year, \$5.00.

Journal of Philosophy, Psychology, and Scientific Methods.—1904; short articles, reports, discussions, abstracts, and reviews in the field of scientific philosophy and psychology; edited by Frederick J. E. Woodbridge; The Science Press; bi-weekly (28 p.), 15c.; per year, \$3.00.

Nature-Study Review.—1904; devoted to all phases of nature-study in schools; Official journal of the American Nature-Study Society editor, Maurice A. Bigelow, 525 West 120th Street, New York; (9 monthly numbers, 32 p.) 15c.; per year, \$1.00.

Political Science Quarterly.—1886; devoted to the study of politics, economics, and public law; publishes annually about 25 leading articles, especially on questions of current interest, and about 130 reviews, and gives a condensed general record of political events; edited by the Faculty of Political Science (managing editor, Munroe Smith); Boston and New York: Ginn & Co.; quarterly (about 190 p.), 75c.; per year, \$3.00.

Popular Science Monthly.—1872; devoted to the diffusion of science; edited by J. McK. Cattell; New York: The Science Press; monthly (96 p.), 30c.; per year, \$3.00.

School of Mines Quarterly.—1879; official organ of the Alumni Association of the Schools of Science; original papers on engineering, metallurgy, chemistry, mineralogy, and geology; managing editor, R. E. Mayer; published by the editors; per year, \$2.00.

Science.—1883; devoted to the advancement of science; edited by J. McK. Cattell; The Macmillan Co.; weekly, 15c.; per year (about 2000 p.), \$5.00.

Teachers College Record.—1899; practical problems of elementary and secondary education, and the professional training of teachers; edited by J. E. Russell; Columbia University Press; bi-monthly, except July (about 100 p.), 30c.; per year, \$1.00.

Torrey.—1901; a monthly journal of botanical notes and news; devoted to shorter articles than appear in the *Bulletin*, together with book reviews; editor, Jean Broadhurst; published by the Torrey Botanical Club; monthly, 15c.; per year, \$1.00.

Issued with the Editorial Coöperation of Officers of Columbia University

American Anthropologist.—1888; original contributions and reviews on anthropology; edited by a board, including Franz Boas; New York: The Science Press; quarterly, \$1.25; per year (about 800 p.), \$4.00.

American Historical Review.—1896; devoted to the interests of historical study in the United States; publishes reviews of important works, results of original research, documents for the use of investigators, and news of the work of European scholars; six editors, including W. M. Sloane; New York: The Macmillan Co.; quarterly; per copy, \$1.00; per year, \$4.00.

American Journal of Anatomy.—1901; edited by a board including G. S. Huntington; T. H. Morgan and E. B. Wilson, collaborators; published in Baltimore; quarterly; per year, \$5.00.

American Journal of Archæology.—1885; official journal of the Archæological Institute of America, publishing papers of the Institute and of the Schools at Athens, in Rome, and in Palestine, and annual reports of these bodies, and issuing special bulletins; honorary editors include J. R. Wheeler; business manager is C. H. Young; New York: The Macmillan Co.; quarterly, \$1.50; per year, \$5.00.

American Journal of Physiology.—1898; edited for the American Physiological Society; original contributions; seven editors, including F. S. Lee; Boston: Ginn & Co.; monthly; per volume (about 500 p.), \$5.00.

American Journal of Semitic Languages and Literatures.—1896; containing "Hebraica"; J. Dyneley Prince, member of advisory board of editors; Chicago: University of Chicago Press; quarterly; per copy, \$1.25; per year, \$4.00.

American Naturalist.—Covering whole range of "natural history"; original articles and reviews; H. M. Richards, associate editor; Ginn & Co.; monthly; \$4.00 per year.

- Bibliographical Society of America; Proceedings and Papers.**—1906; publication committee includes C. Alex. Nelson; yearly; \$3.00 to members of Society.
- Biochemisches Centralblatt.**—1902; devoted to Chemistry and Medicine; sub-editors include R. Burton-Opitz; New York: G. E. Stechert; bi-monthly; per year, \$7.00.
- Biological Bulletin.**—1899; short original contributions; seven editors, including E. B. Wilson; Lancaster, Pa.: New Era Printing Co.; monthly; per volume (six numbers), \$3.00.
- Biophysikalisches Centralblatt.**—1905; Biology, Physiology, and Pathology; sub-editors include R. Burton-Opitz; Leipzig: Gebrüder Borntraeger; semi-monthly; per year, 30 marks.
- Botanisches Centralblatt.**—Since 1902 an international review for botanical literature. H. M. Richards, American associate editor for topics connected with physiology and ecology; Jena: Gustav Fischer; weekly; 28 marks per year.
- Bulletin of the American Mathematical Society.**—1891; short original contributions, reviews, reports, notes on current events, lists of new publications; editors, F. N. Cole, D. E. Smith, and others; New York: The Macmillan Co.; monthly, except July and August; per year (about 500 p.), \$5.00.
- Chemical Abstracts.**—1907; M. T. Bogert, editor of organic abstracts, whose staff includes V. J. Chambers, K. G. Falk, and J. M. Nelson; Easton, Pa.: American Chemical Society; semi-monthly, per year, \$6.00.
- German-American Annals.**—1897 as *Americana Germanica*; comparative study of the relations of Germany and America; original researches, critical articles, and reviews; contributing editors include W. H. Carpenter and Calvin Thomas; Philadelphia: German-American Historical Society; monthly (about 64 p.) 25c.; per year, \$3.00.
- Goethe Jahrbuch.**—1880; edited by Ludwig Geiger; English-American bibliography compiled by Rudolf Tombo, Jr.; Frankfurt a./M.; yearly (about 430 p.), 10 marks.
- Hygienisches Centralblatt.**—1906; covering the whole range of hygiene; edited by Dr. Paul Sommerfeld; R. Burton-Opitz, American sub-editor; Leipzig: Gebrüder Borntraeger; monthly; 30 marks per volume.
- Internationales Centralblatt für Laryngologie, Rhinologie und verwandte Wissenschaften.**—1884; American editor, G. M. Lefferts; Berlin: A. Hirschwald; monthly; per year (about 700 p.), 15 marks.
- Journal of Biological Chemistry.**—Editors include C. A. Herter; W. J. Gies a collaborator.

- Journal of Comparative Neurology and Psychology.**—1891; original compositions, reviews, and notices; associate editors include O. S. Strong, with collaboration of H. E. Crampton, F. S. Lee, T. H. Morgan, E. L. Thorndike, and others; published at Granville, Ohio; bi-monthly; per year, \$4.00.
- The Journal of Experimental Zoölogy.**—1904; original contributions on experimental zoölogy, morphology, and physiology; eleven editors, including E. B. Wilson and T. H. Morgan; Baltimore; quarterly; per year, \$5.00.
- Journal of Morphology.**—1887; original contributions on purely morphological subjects; seven editors, including E. B. Wilson; Boston: Ginn & Co.; quarterly; per year, \$9.00.
- Medical Review of Reviews.**—1895; associate editor, A. C. Prentice; New York: Review of Reviews Co. (incorporated); monthly (64 p.); per year, \$1.00.
- Modern Philology.**—1903; research in modern languages and literatures; advisory board includes Calvin Thomas; University of Chicago Press; quarterly; per year, \$3.00.
- Transactions of the American Mathematical Society.**—1900; research in pure and applied mathematics; the official organ of the Society for the publication of important papers read before it; Edward Kasner, associate editor; New York: The Macmillan Co.; quarterly; per year (about 500 p.), \$5.00.

V. Student Publications at Columbia University

- The Barnard Bulletin.**—1901; four pages, weekly; Barnard College news; per copy, 5c.; per year, \$1.50.
- The Columbia Jester.**—1901; an illustrated comic paper, monthly during the college year; averages ten pages of reading matter with illustrations, cartoon, and a cover; per copy, 15c.; per year, \$1.00 (by mail, \$1.20).
- The Columbia Law Review.**—1901; legal articles and book reviews by writers of recognized authority, and comment upon recent cases by the editors; edited by a board of about sixteen students of the School of Law; monthly, November to June; (70 p.); per copy, 30c.; per year, \$2.00.
- The Columbia Monthly.**—Founded in 1903, by the combination of the *Columbia Literary Monthly* (1893) and *Morningside* (1896); an illustrated magazine; articles on Columbia University, of historical and of immediate interest, stories, verse, essays, editorials, and book reviews; monthly, November to June; per year, \$1.00.

- The Columbian.**—The annual; a bound illustrated volume, containing statistics of athletics, fraternity membership, class achievements, and other information concerning student life; published the week before Christmas by third-year men, six elected from Columbia College and six from the Schools of Applied Science. Volume XVIII was published by the class of 1908.
- The Columbia Spectator.**—1877; published daily, except Sunday; edited by a managing board of five, assisted by a board of six editors and from twelve to twenty-five associate editors; per copy, 3c.; per year, \$3.50.
- The English Graduate Record.**—1905; record of the life and work of graduate students of English in the University and after leaving; three editors with G. R. Carpenter as advisory editor; single numbers, 15c.; double numbers, 25c.; per year, \$1.00.
- The Mortarboard.**—1897; an annual corresponding to the *Columbian*, but more literary in character, including, besides the history of the junior class, poems, stories, sketches, etc.; published by a board of about eight third-year students of Barnard College; price, \$1.00.
- The Senior Class-Book.**—A book privately printed by the graduating class of Columbia College, through an editorial board, and distributed on class-day. Revived by the class of 1899, it has been continued by the succeeding classes; includes pictures and autobiographies of the members, letters from the faculty, and the class-day speeches.
- The Teachers College Bulletin.**—1901; four pages, weekly; Teachers College news; per copy, 5c.; per year, \$1.00 (by mail, \$1.50).

SPECIAL FUNDS

The following funds have been given to the Trustees from time to time and are held by them for the purposes specified:

GEBHARD FUND:

Bequest of Frederick Gebhard of \$20,000, for the endowment of a professorship in the German Language and Literature. 1843

FUND OF THE SOCIETY FOR PROMOTING RELIGION AND LEARNING:

Gift (through Professor McVickar) of \$1000, for the endowment of two prizes, "The Society's Greek Seminary Prize," and "The Society's English Seminary Prize." 1852

HARSEN PRIZE FUND:

Bequest of Jacob Harsen, M.D., Class of 1825, of \$31,114.10, for the endowment of prizes to be awarded to students in the College of Physicians and Surgeons. 1859

MOFFAT SCHOLARSHIP FUND:

Bequest of William B. Moffat, M.D., Class of 1838, of \$2000, for the endowment of scholarships. 1862

STEVENS PRIZE FUND :

Gift of Dr. A. H. Stevens, Professor of Surgery, 1860-1867, of \$1899.88, for the endowment of a prize. 1866

JOSEPH MATHER SMITH PRIZE FUND :

Subscription fund of \$2337.81, as a memorial of Dr. Smith, for the endowment of a prize in the College of Physicians and Surgeons. 1874

CHANLER PRIZE FUND:

Bequest of John Winthrop Chanler, Class of 1847, of \$1000, for the endowment of an essay prize. 1877

SCHERMERHORN SCHOLARSHIP FUND:

Bequest of John Jones Schermerhorn, Class of 1825, of \$5000, for the endowment of scholarships. 1877

TYNDALL FELLOWSHIP FUND:

Gift of John Tyndall, LL.D., Professor of Natural History in the Royal Institution of Great Britain, of \$10,945.50, for the endowment of a fellowship in Physics. 1885

ALONZO CLARK SCHOLARSHIP FUND:

Gift of \$14,000 as a memorial of Alonzo Clark, President of the College of Physicians and Surgeons, 1875-1884, for the endowment of a scholarship. 1887

McKIM FUND:

Gift of Charles F. McKim of \$20,000, for the endowment of travelling fellowships in Architecture. 1889

COLUMBIA FELLOWSHIP IN ARCHITECTURE FUND:

Gift of F. Augustus Schermerhorn, Class of 1868, of \$13,000, to the School of Architecture, applied to the endowment of a travelling fellowship in Architecture. 1889

BARNARD FUND FOR THE INCREASE OF THE LIBRARY:

Bequest by President Barnard of \$59,501.64, and augmented by a bequest by his widow, Margaret M. Barnard, of \$16,231.67, to endow a fund for the purchase of books, especially those relating to physical or astronomical science, and for the award of a medal for discovery in Physics or Astronomy. 1889 and 1902

BARNARD FELLOWSHIP FUND:

Bequest by President Barnard of \$10,000, for the endowment of a fellowship for encouraging scientific research. 1889

DACOSTA FUND:

Bequest of Charles M. DaCosta, Class of 1855, Trustee 1886-1890, of \$100,000, has provided \$86,576.83, applied to the endowment of the DaCosta Professorship of Zoölogy; and of \$20,000 used for fitting up the DaCosta Laboratory of Zoölogy. 1890

SLOANE MATERNITY HOSPITAL FUND:

Gift of William D. Sloane and Emily Thorn Vanderbilt Sloane, of \$475,000, for the endowment of the Hospital. 1890 }
1904 }

VANDERBILT CLINIC ENDOWMENT FUND:

Gift of Cornelius Vanderbilt, William K. Vanderbilt, Frederick W. Vanderbilt, and George W. Vanderbilt, of \$115,000, for the endowment of the Clinic. 1890

AVERY ARCHITECTURAL FUND:

Gift of Samuel P. Avery and Mary Ogden Avery of \$30,000, in memory of their deceased son, Henry Ogden Avery. The income to be applied to the purchase of books relating to architecture, decorations, and allied arts. 1890

LOUBAT FUND:

Gift of Joseph F. Loubat of \$7000, for the endowment of two prizes of \$1000 and \$400 to be awarded once in every five years. See page 427. 1892

TROWBRIDGE FUND:

Gift of \$10,000, for the endowment of a fellowship in Engineering as a memorial of William P. Trowbridge, Ph.D., LL.D., Professor of Mining Engineering, 1877-1892,¹ subject at present to a life interest. 1893

PULITZER SCHOLARSHIP FUND:

Gift of Joseph Pulitzer of \$100,000, for the endowment of scholarships. 1893

BENNETT PRIZE FUND:

Gift of James Gordon Bennett of \$1000 for the endowment of an essay prize. 1893

HENRY DRISLER CLASSICAL FUND:

Gift of \$10,000, presented by Seth Low, LL.D., Class of 1870, in commemoration of the semi-centennial of Professor Drisler in the service of the College, for the endowment of a fund for the purchase of books and works of art for the Greek and Latin departments. 1894

GRANT SQUIRES FUND:

Gift of Grant Squires, Class of 1885, of \$1050, for the endowment of an essay prize. — 1895

STUART SCHOLARSHIP FUND:

Gift of Mrs. Cornelia A. Atwill of \$6000, for the endowment of the "Stuart Scholarships" in memory of her grandsons, Sidney Barculo Stuart, Class of 1880, and Eugene Talman Stuart, Class of 1881. 1896

ALEXANDER I. COTHEAL FUND FOR THE INCREASE OF THE LIBRARY:

Gift of Mrs. Samuel R. Lawrence and Mrs. James R. Swords of \$6000, in memory of their brother, Alexander I. Cotheal, for the endowment of a fund for the purchase of books in the Oriental languages, or relating to Oriental subjects. 1896

ROBERT CENTER FUND FOR INSTRUCTION IN MUSIC:

Gift of Mrs. Mary Elizabeth Ludlow of real estate and securities valued at \$178,046.50, for the endowment of a fund for instruction in music as a memorial of her son, Robert Center, applied to the maintenance of a professorship. 1896

STUDENTS' LOAN FUND:

Gift of Jacob H. Schiff of \$5000, for the aid of needy students. 1896

H. C. BUNNER PRIZE FUND:

Gift of \$1000, for the endowment of an essay prize. 1896

¹ Income paid to Mrs. Trowbridge during pleasure of Trustees.

ILLIG FUND:

Bequest of William C. Illig, Class of 1882 (S. of M.), of \$2000, for the endowment of scholarship medals. 1897

MOSENTHAL FELLOWSHIP FUND:

Gift of friends of the late Joseph Mosenthal of \$7500, to found a fellowship in Music. 1898

PERKINS FELLOWSHIP FUND:

Bequest of Willard B. Perkins of \$5700, for a travelling fellowship in Architecture, awarded quadrennially. 1898

SCHIFF FELLOWSHIP FUND:

Gift of Jacob H. Schiff of \$15,000, to found a fellowship to be awarded by the Faculty of Political Science on the nomination of the donor or his eldest living male descendant. 1898

SEIDL FUND:

The proceeds, amounting to \$12,000, of a memorial performance (March 23, 1899), in honor of the late Anton Seidl. The income to be paid to Mrs. Seidl during her lifetime, and thereafter "to be applied to a Fellowship in Music in Columbia University." 1899

WARING MUNICIPAL FUND:

The Chamber of Commerce of the State of New York, in 1898, raised by public subscription the sum of \$100,000, to perpetuate the memory of the late Col. George E. Waring. The income thereof to be paid to the widow and daughter of Colonel Waring during their lifetime, and thereafter to be devoted to instruction in municipal affairs. 1899

FUND FOR THE ENDOWMENT OF THE ABRAHAM JACOBI WARD FOR CHILDREN IN ROOSEVELT HOSPITAL:

Gift of an anonymous donor of \$50,000, "to endow a ward for children in the Roosevelt Hospital." 1899

BECK FUNDS:

The late Charles Bathgate Beck, A.B. Class of 1877, LL.B. Class of 1879 (who died in 1894), bequeathed the sum of \$10,000: \$2000 to found one scholarship in Columbia College; \$8000 to endow a prize in the Law School. 1899

CURTIS FUND:

Gift of the George William Curtis Memorial Committee of \$10,000, to establish the George William Curtis Fellowship in the School of Political Science. 1899

DYCKMAN FUND:

Gift of Isaac Michael Dyckman of \$10,000, in memory of his uncles, Dr. Jacob Dyckman and Dr. James Dyckman, both of the College of Physicians and Surgeons, to establish the "Dyckman Fund for the Encouragement of Biological Research."

1899

ALEXANDER MONCRIEF PROUDFIT FELLOWSHIP FUND:

Legacy of \$15,000 from the late Alexander Moncrief Proudfit, to found the Alexander Moncrief Proudfit Fellowship in Letters.

1899

MARIA McLEAN PROUDFIT FELLOWSHIP FUND, SCHOOL OF MEDICINE:

Legacy of \$15,000 from the late Alexander Moncrief Proudfit, to found the Maria McLean Proudfit Fellowship in Medicine.

1899

TRUST FUND FOR PSYCHOLOGY:

Gift of \$100,000 from John D. Rockefeller, as an endowment of the head professorship of the Psychological Department of Columbia University.

1899

CARL SCHURZ FELLOWSHIP FUND:

Fund of \$10,000 from the Carl Schurz Fund Committee, to establish a fellowship in honor of Carl Schurz.

1900

CARL SCHURZ LIBRARY FUND:

Fund of \$10,000 from the Carl Schurz Fund Committee, established in honor of Carl Schurz, the income to strengthen the Library in the field of the German Language and Literature.

1900

LAW BOOK TRUST FUND:

Created by act of the Trustees on March 5, 1900, by the consolidation of the Alexander Cole Gift (\$1500); John Jay Jenkins Legacy (\$500); John McKeon Fund (\$1000); Sampson Simpson Fund (\$1000); and the Edgar J. Nathan Gift (\$250); total, \$4250, the income to be applied to the purchase of law books; and by act of the Finance Committee, October 2, 1907, by adding the Payne Law Gift (\$1000).

1900

CAMPBELL SCHOLARSHIP FUND:

Gifts of \$3000 each from Miss Maria L. Campbell and Miss Catharine B. Campbell, for the establishment of two scholarships in the College, in memory of Robert B. Campbell of the Class of 1844, and Henry P. Campbell of the Class of 1847.

1900

GERMAN LECTURE FUND:

Gifts to the sum of \$1000 for an endowment of Public Lectures in German at the University.

1901

EATON PROFESSORSHIP FUND:

Bequest of the late Dorman B. Eaton of \$100,000, to endow and maintain a Professorship of Administrative Law and Municipal Science. 1901

DEAN LUNG PROFESSORSHIP IN CHINESE FUND:

Gift of anonymous friends of \$213,000, towards the founding of a Department of Chinese Languages, Literatures, Religion, and Law, and especially for the establishment of the Dean Lung Professorship of Chinese. 1901

CLASS OF 1848 SCHOLARSHIP FUND:

Gift of \$10,000 of an anonymous friend to found two scholarships in the College. 1902

GEORGE WILLIAM CURTIS MEDALS FUND:

Gift of \$1000 from an associate of George William Curtis in the Civil Service Reform work to establish this fund. 1902

PHILOLEXIAN CENTENNIAL WASHINGTON PRIZE FUND:

Gift to the Philolexian Society from J. Ackerman Coles, Class of 1864. The accumulated interest is to be expended every four years for a duplicate of the life-size bronze bust of George Washington, modelled from life at Mount Vernon, by Jean Antoine Houdon, to be cast at the Barbedienne Foundry, Paris, France. The bust will be given to that member of the Philolexian Society, who, in the opinion of the President of the University, the President of the Society, and a third man of their choosing, shall be deemed most worthy, upon his delivery of an original patriotic address. 1902

PHŒNIX LEGACY:

Amounting at present to \$178,597.08, being on account of one-third part of the residuary estate of the late Stephen Whitney Phoenix, bequeathed to Columbia College in 1881. 1902

JULIUS BEER LECTURE FUND:

Legacy of the late Julius Beer of \$10,000 to establish this fund. 1903

JAMES S. CARPENTIER FUND:

Gift of \$125,000 from General Horace W. Carpentier of the Class of 1848, in memory of his brother, James S. Carpentier, for the benefit of the Law School. 1903

GUSTAV GOTTHEIL FELLOWSHIP FUND:

Gift of \$10,000 from Temple Emanu-El to establish a fellowship, the holder to be nominated by the Professors in the Semitic Languages. 1903

LOUBAT PROFESSORSHIP FUND:

Gift of \$100,000 from Joseph F. Loubat to establish the Loubat Professorship in American Archæology. 1903

RICHARD BUTLER SCHOLARSHIP FUND:

Gift of \$5000 from Mrs. Richard Butler in memory of her deceased husband, Richard Butler, open to students born in the State of Ohio. 1903

DARLING PRIZE FUND:

Bequest of the late Edward A. Darling, formerly Superintendent of Buildings and Grounds, of \$1000 to endow an annual prize in the School of Engineering. 1903

JOSEPH PULITZER FUND FOR SCHOOL OF JOURNALISM:

Gift of \$1,000,000 from Joseph Pulitzer to establish and endow a School of Journalism in Columbia University. 1903

R. S. CARPENTIER FUND:

Gift of \$100,000 from General H. W. Carpentier towards a professorship in the Medical School, in memory of Reuben S. Carpentier. 1904

CORNELIUS HEENEY GOTTSBERGER SCHOLARSHIP FUND:

Bequest of Ellen Josephine Banker of \$9500 to establish a scholarship in memory of her deceased brother, Cornelius Heeny Gottsberger. 1904

PHILOLEXIAN PRIZE FUND:

Fund of \$1326.80 from the Philolexian Society, the income to be paid to the Society for prizes. 1904

TOPPAN PRIZE FUND:

Gift of \$4000 from Mrs. Sarah M. Toppan to endow, in memory of her late husband, Robert Noxon Toppan, a prize in the School of Law. 1904

ERNEST KEMPTON ADAMS FUND FOR PHYSICAL RESEARCH:

Gift of \$50,000 from Edward D. Adams, in memory of his son, the late Ernest Kempton Adams, E.E., 1897; A.M., 1898. 1904

GARTH MEMORIAL FUND:

Gift of \$16,250 from Horace E. Garth to establish a fellowship in Political Economy in memory of his son, the late Granville W. Garth. 1904

GUY B. MILLER FUND:

Bequest of the late Guy B. Miller of \$10,000, of the Class of 1898, College of Physicians and Surgeons, for general purposes of the Medical School. 1905

SCHIFF PROFESSORSHIP FUND:

Gift of \$100,000 from Jacob H. Schiff for the endowment of a Professorship of Social Economy in order to make possible a close affiliation between Columbia University and the New York School of Philanthropy. 1905

THEODORE ROOSEVELT PROFESSORSHIP FUND:

Gift of James Speyer of \$50,000 for the endowment of a professorship of American History and Institutions in the University of Berlin. 1905

MATHEMATICAL PRIZE FUND:

Gift of Mrs. Louis T. Hoyt of \$5000, in memory of her nephew, John Dash Van Buren, Jr. 1906

E. B. CONVERS PRIZE FUND:

Gift of Miss Alice and Miss Clara B. Convers of \$1000, in memory of their brother, Ebenezer Buckingham Convers, LL.B., 1866, to endow a prize in the Law School. 1906

E. R. CARPENTIER FUND:

Gift of Mrs. Maria H. Williamson of \$150,000 for the endowment of a professorship or an endowed lectureship on the Origin and Growth of Civilizations among Men. 1906

BLUMENTHAL FUND:

Gift of George Blumenthal of \$100,075 for the endowment of a Chair of Politics. 1906

HENRY BERGH FUND:

Anonymous gift of \$100,000, the income to be used for the inculcating of a spirit of kindness, and consideration toward the lower animals. 1907

EARLE PRIZE FUND:

Gift of \$907.87 from the Earle Memorial Committee to establish the Earle Prize in classics. 1907

GEORGE G. WHELOCK FUND:

Gift of \$5000 from Mrs. George G. Wheelock and William A. Wheelock to establish, in memory of the late Dr. George G. Wheelock, the George G. Wheelock Fund, the income to be used for the needs of the Department of Physiology. 1907

NATHANIEL CURRIER FUND:

Legacy of \$50,000, from Laura Currier, to establish the Nathaniel Currier Fund for the purchase of books for the Library. 1908

REVEREND ORLANDO HARRIMAN FUND:

Gift of \$100,000, from the children of the late Reverend Orlando Harriman, of the Class of 1835, as a memorial to their father, the income, until further action by the Trustees, to be applied to the salary of the Professor of Rhetoric and English. 1908

WILLIAM MITCHELL FELLOWSHIP FUND:

Legacy of \$10,000 from the late Benjamin D. Silliman to establish, in honor and memory of his friend William Mitchell, deceased, the William Mitchell Fellowship Fund in Letters or Science. 1908

WILLIAM BROCK SHOEMAKER FUND:

Gift of \$10,000 from Ella de Peyster Shoemaker and Henry F. Shoemaker, to establish a fund in memory of William Brock Shoemaker, of the Class of 1902, for the aid of self-supporting students. 1908

D. WILLIS JAMES FUND:

Legacy of \$100,000, from the late D. Willis James, to be devoted to the Chair of Geology. 1908

SPECIAL RESEARCH FUND:

Gift of \$50,000, from an anonymous donor to constitute a Special Research Fund for the purpose of investigating the subject of cancer. 1908

SAMUEL ANTHONY GOLDSCHMIDT FELLOWSHIP FUND:

Gift of \$16,250, from George B. Goldschmidt to establish and endow the Samuel Anthony Goldschmidt Fellowship in Chemistry, in memory of Samuel Anthony Goldschmidt, of the Class of 1868. 1908

JOHN ORDRONAUZ PRIZE FUND:

Legacy of \$3000, from the late John Ordronaux, Professor of Medical Jurisprudence from 1860-1897, and Emeritus Professor 1898-1908, to establish prizes in the Law School. 1908

ACADEMIC CALENDAR

- 1908—Sept. 23—Wednesday, First half-year, 155th year, begins. Registration ceases for students matriculating for the first time. Later applications received only upon payment of an additional fee of \$5. Fellows and Scholars to report to the Registrar.
- Sept. 29—Tuesday, Last day of matriculation for students in the Faculties of Political Science, Philosophy, and Pure Science.
- Oct. 20—Tuesday, Stated meeting of University Council.
- Nov. 3—Tuesday, Election Day, holiday.
- Nov. 26—Thursday, to Nov. 28, Saturday, inclusive, Thanksgiving holidays.
- Dec. 15—Tuesday, Stated meeting of University Council.
- Dec. 19—Saturday, afternoon, to
- 1909—Jan. 2—Saturday, inclusive. Christmas holidays.
- Jan. 18—Monday, Mid-year entrance examinations begin.
- Jan. 20—Wednesday, Mid-year examinations begin.
- Jan. 30—Saturday, First half-year ends.
- Feb. 1—Monday, Second half-year begins. Registration ceases for students entering the second half-year. Later applications received only upon payment of an additional fee of \$5. Fellows and Scholars to report to the Registrar.
- Feb. 16—Tuesday, Stated meeting of University Council.
- Feb. 22—Monday, Washington's Birthday, holiday.
- Mar. 1—Monday, Last day for filing applications for University Fellowships.
- April 1—Thursday, Last day for filing applications for examination for higher degrees in 1908-9, and for presenting dissertations for the degree of Doctor of Philosophy.
- April 8—Thursday, to April 12, Monday, inclusive, Easter holidays for students in such schools as may be designated by the University Council.
- April 20—Tuesday, Stated meeting of University Council.
- May 1—Saturday, Last day for filing applications for University Scholarships and for presenting essays for the degree of Master of Arts.

- May 17—Monday, Final examinations begin.
 May 18—Tuesday, Stated meeting of University Council.
 May 30—Sunday (Memorial Day), Baccalaureate service.
 May 31—Monday, Class Day.
 June 1—Tuesday, Alumni Day.
 June 2—Wednesday, Commencement Day.
 June 9—Wednesday, Second half-year ends.
 June 14—Monday, Entrance examinations begin.
 July 7—Wednesday, Tenth Summer Session opens.
 Aug. 18—Wednesday, Tenth Summer Session closes.
 Sept. 1—Wednesday, Last day for filing lists of elective courses in Columbia College and Barnard College.
 Sept. 13—Monday, Entrance examinations, and examinations for deficient and debarred students begin.
 Sept. 15—Wednesday, Registration begins.
 Sept. 21—Tuesday, Registration ceases for all students excepting under the Faculties of Political Science, Philosophy, and Pure Science previously matriculated. Later applications received only upon payment of an additional fee of \$5.
 Sept. 21—Tuesday, Registration ceases for undergraduate students previously matriculated. Later applications received only upon payment of an additional fee of \$5.
 Sept. 22—Wednesday, First half-year, 156th year, begins. Registration ceases for students matriculating for the first time. Later applications received only upon payment of an additional fee of \$5. Fellows and Scholars report to the Registrar.

NOTE.—In 1909 and thereafter Commencement Day will fall on the first Wednesday in June. The second half-year ends on the Wednesday nearest the eleventh of June.

SUMMARY

OFFICERS

Professors (not including 2 administrative officers of professorial rank)	160	
Clinical Professors.	9	
Adjunct Professors	60	
Associates	27	
Instructors.....	76	
Demonstrators.	9	
Tutors	39	
Curators.....	2	
Lecturers and other Special Officers of Instruction.....	39	
Assistants.....	64	
Clinical Assistants.....	83	
UNIVERSITY OFFICERS OF INSTRUCTION.....	568	
OTHER INSTRUCTORS IN TEACHERS COLLEGE.....	57	
OTHER INSTRUCTORS IN COLLEGE OF PHARMACY.....	3	
	<hr/>	628
UNIVERSITY OFFICERS OF ADMINISTRATION.....	23	
OTHER OFFICERS OF ADMINISTRATION, TEACHERS COLLEGE AND COLLEGE OF PHARMACY	5	
	<hr/>	28
EMERITUS OFFICERS.....	14	
	<hr/>	
TOTAL.....	670	
HORACE MANN SCHOOL and SPEYER SCHOOL (<i>not included above</i>).....	87	

STUDENTS

COLUMBIA COLLEGE:

Fourth-year class.....	119	
Third-year "	146	
Second-year "	135	
First-year "	166	
Non-matriculated	64	
	<hr/>	630
Carried forward.....	630	

SUMMARY OF STUDENTS

473

Brought forward.....	630	
The School of LAW:		
Third-year class	71	
Second-year "	102	
First-year "	105	
Non-matriculated.....	32	
	<hr/>	310
The School of MEDICINE:		
Fourth-year class.....	82	
Third-year "	71	
Second-year "	59	
First-year "	84	
Non-matriculated	3	
	<hr/>	299
The Schools of APPLIED SCIENCE:		
Fourth-year class.....	81	
Third-year "	121	
Second-year "	233	
First-year "	206	
Non-matriculated.....	20	
	<hr/>	661
FINE ARTS:		
Architecture	117	
Music	26	
	<hr/>	143
The Graduate Faculties of POLITICAL SCIENCE, PHILO- SOPHY, and PURE SCIENCE.....	960	
	<hr/>	
TOTAL.....		3003
BARNARD COLLEGE.....		470
TEACHERS COLLEGE.....		957
COLLEGE OF PHARMACY		
(Only University students included in Directory)		<hr/>
		275
TOTAL.....		4705
Deduct Double Registration.....		<hr/>
		221
NET TOTAL OF RESIDENT STUDENTS.....		4484
Summer Session Students, 1908.....	1532	
Deduct Double Registration.....	<hr/>	383
		<hr/>
GRAND TOTAL OF RESIDENT STUDENTS....		5633
Students in extension courses.....		3100
December 1, 1908.		

DIRECTORY OF OFFICERS

B. = Barnard College. East. = East Hall. E. H. = Earl Hall. E. = Engineering. F. = Fayerweather. Gym. = Gymnasium. Hm. = Hamilton. H. M. S. = Horace Mann School.	Hv. Havemeyer. L. = Library. M. = School of Mines. P. & S. = College of Physicians and Surgeons. Phar. = College of Pharmacy. S. = Schermerhorn.	S. M. H. = Sloane Maternity Hospital. Sp. S. = Speyer School. T. = Teachers College. U. = University. V. C. = Vanderbilt Clinic. W. = West.
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Hartley, Livingston, Whittier, Brooks = Residence Halls.

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Abbe, R. Assoc. (19)		P. & S.	13 W. 50
Abbott, A. Tr. (347)		H. M. S.	Quimby ave., White Plains, N. Y.
Abbott, Julia W. Tutor (345)			
(348)		T.	537 W. 121
Abbott, N. Prof. (17)	Tu. Th. 10-11	Law	
		Library	515 W. 124
Abee, F. Tr. (347)		H. M. S.	
Adams, H. C. Asst. (26)	M.-Th. 1-4	501 E.	Livingston
Adler, F. Prof. (12)	Absent on leave 1908-9		
Agger, E. E. Lect. (24)	M. W. 11	205 W.	248 E. 105
Albee, F. H. Asst. (26)		P. & S.	125 W. 58
Aldrich, J. Clin. Asst. (28)		V. C.	164 W. 81
Allen, D. G. Asst. (25)		P. & S.	131 E. 66
Allen, F. Tr. (347)		H. M. S.	511 W. 122
Anderson, Mary P. Tr. (347)		H. M. S.	2776 Decatur ave.
Anderson, W. C. R. Tr. (347)		H. M. S.	528 W. 123
Andrews, B. R. Sec. of Dept. (346)	Daily 9-10	416 T.	609 W. 135
Anthony, Kate S. Tr. (347)		H. M. S.	
Arendt, M. Instr. (21)	M. W. F. 11-12	503 E.	Hotel Ansonia
Armstrong, A. C. Asst. (26)	M.-F. 10-12	406 E.	612 W. 115
Arnold, W. W. Tr. (347)		H. M. S.	326 W. 85
Astle, C. J. Clin. Asst. (27)		V. C.	149 W. 62
Atwood, C. E. Clin. Asst. (27)		V. C.	14 E. 60
Ayer, J. C. Instr. (21)		P. & S.	34 W. 74
Ayres, H. M. Lect. (25)	M. W. 3-4	507 F.	519 W. 121
Babcock, H. G. Asst. (26)	Daily 1-4	605 E.	Fanwood, N. J.
Bacon, G. Prof. (14)		P. & S.	47 W. 54
Bacon, Georgia F. Tr. (348)		H. M. S.	70 Irving Pl.
Bagster-Collins, E. W. Adj. Prof. (13)		T.	Montrose, N. Y.
Bailey, F. R. Adj. Prof. (14)		P. & S.	1165 E. Jersey, Elizabeth, N. J.
Bailey, P. Adj. Prof. (17)		P. & S.	52 W. 53
Bain, A. W. Tr. (347)		H. M. S.	75 Washington ave., Grantwood, N. J.
Baker, C. M. Tr. (347)		H. M. S.	712 West End ave.

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Baker, F. T. Prof. (11)	M. W. S. 9:30-10	323 T.	Park Hill, Yonkers, N. Y. 294 Manhattan ave.
Baker, G. H. Lib. Emer. (7)			
Baker, Helen B. Tr. (347)		H. M. S.	
Baldwin, Elizabeth G. Lib. Teachers College (346)	Daily 11-12	T.	460 Main, E. Orange, N. J.
Ballard, Anna W. Tr. (347)		H. M. S.	
Ballard, C. W. Instr. (379)		Phar.	115 W. 68
Bandelier, A. F. Lect. (24)	M.-S. 2-5	432 W. 160	432 W. 160
Barber, F. W. Tr. (349)		Sp. S.	530 W. 124
Bargy, H. Instr. (21)	M. W. F. 3	305 W.	235 W. 109
Baright, H. E. Clin. Asst. (27)		V. C.	Plainfield, N. J.
Barnes, G. E. Clin. Asst. (27)		V. C.	70 W. 50
Barrett, F. J. Asst. (26)		P. & S.	113 E. 56
Barrick, S. L. Tr. (347)		H. M. S.	
Barrows, Anna Instr. (345)		T.	223 E. 17
Barry, T. J. Clin. Asst. (27)		V. C.	137 E. 49
Baruch, S. Prof. (17)		P. & S.	51 W. 70
Bastedo, W. A. Assoc. (19)		P. & S.	56 W. 58
Batchelder, Evelyn Tr. (348)		H. M. S.	
Batchelder, Mildred I. Tr. (348)		H. M. S.	415 W. 118 Orange, N. J.
Bayles, G. J. Assoc. (20)			
Beans, H. T. Tutor (23)	Tu. Th. 11-12	512 Hv.	423 W. 118
Beard, C. A. Adj. Prof. (17)	M. 2-4	715 Hm.	430 W. 118
Bechert, A. O. Tutor (23)	M. 3. Th. 1	113 B.	464 Bainbridge, Bklyn.
Belcher, R. W. Tr. (347)		H. M. S.	135 W. 96
Beling, C. C. Clin. Asst. (27)		V. C.	1098 Broad, Newark, N. J.
Bement, A. Instr. (345)		T.	Van Dyck Studio
Bennett, Clara R. Tr. (349)		Sp. S.	527 W. 124
Benns, C. P. Supt. of B. & G., Teachers College (6)	Daily 9-5	218 T.	528 W. 123
Benton, Eliza, Tutor (345)		T.	510 W. 124
Berg, H. W. Instr. (21)		P. & S.	923 Madison ave.
Berkey, C. P. Instr. (22)	Tu. Th. 9-12	303 S.	206 W. 140
Bernstein, M. Clin. Asst. (27)		V. C.	2 E. 117
Bigelow, M. A. Prof. (13)	M. 9; F. 10	301 T.	Oscawana, N. Y.
Bigongiari, D. Tutor (23)	M. 3-4	302 W.	3 Middagh, Bklyn.
Bingham, A. W. Dem. and Asst. (22)		P. & S.	266 W. 88
Bingham, W. Van D. Instr. (345)		T.	520 W. 123
Black, A. Adj. Prof. (16)	M. F. 10-11; Tu. Th. 11-12	408 E.	521 W. 150
Blake, J. A. Prof. (13)		P. & S.	601 Madison ave.
Blancard, W. Instr. (22)		P. & S.	137 1/2 Warburton ave. Yonkers, N. Y.
Blanchard, J. Asst. (25)			
Bliss, Grace V. Sec. of Dept.		T.	404 W. 115
Bloom, I. Asst.		Gym.	215 E. 5
Blow, Susan E. Lect. (346)		T.	
Boag, E. T. Asst. Registrar, P. & S. (5)	M.-F. 10-5	P. & S.	3 Lenox ave., White Plains, N. Y.

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Boas, F. Prof. (10)	Tu. Th. 3	405 S.	Grantwood, N. J.
Bogert, M. T. Prof. (11)	M.-F. 2-4	408 Hv.	422 W. 154
Bollert, Minnie L. Tr. (347)		H. M. S.	Whittier
Bond, S. F. Tutor (24)	Tu. F. 9-12	508 E.	Hartley
Botsford, G. W. Adj. Prof. (15)	M. 11: 10-11:40	109 L.	28 Urban, Mt. Vernon, N. Y.
Bovaird, D. Jr. Assoc. (20)		P. & S.	126 W. 58
Boyd, Virginia T. (326)	M.-F. 10-12; 2-4	B.	527 W. 124
Boyesen, B. Tutor (24)			
Boynton, W. H. Asst. (346)		T.	
Bradley, W. L. Clin. Asst. (27)		V. C.	55 W. 75
Brandt, Lillian Asst. (26)		201 W	91 Columbia Heights, Bklyn.
Braun, W. A. Instr. (21)	M. 10; Th. 3	113 B.	520 W. 122
Breitwieser, J. V. Asst. (26)	M.-F. 10-11	512 S.	417 W. 120
Brewer, G. E. Prof. (13)		P. & S.	61 W. 48
Brewster, Alice D. Asst. (26)	Th. 2-3	209 B.	527 W. 124
Brewster, W. T. Prof. and Act'g Dean Barnard College (12)	Daily 12:20-1	B.	628 W. 114
Briggs, Mary D. Instr. (345)		T.	515 W. 138
Britton, N. L. Dir. N. Y. Bot. Garden (17)			New York Botanical Garden, Bronx Park Whittier
Broadhurst, Jean, Instr. (345)		T.	
Brooks, Anna P. Instr. (345)		T.	
Brooks, F. E. Tr. (347)		H. M. S.	
Brooks, Mrs. M. K. Tr. (347)		H. M. S.	
Broomell, Bertha L. Tutor (345)		T.	Whittier
Brouner, W. B. Clin. Asst. (28)		V. C.	45 W. 9
Brown, H. C. Tutor (23)	Tu. Th. 9-11	417 L.	527 W. 121
Brown, R. M. Asst. (26)		P & S.	264 W. 57
Brugman, A. F. Clin. Asst. (28)		V. C.	220 W. 139
Brundage, H. D. Tr. (347)		H. M. S.	2146 Honeywell ave.
Budington, Ethel H. Sup. Lib.		L.	457 W. 123
Bull, W. T. Emer. Prof. (7)			35 W. 35
Bumpus, H. C. Dir. Amer. Mus. Nat'l History (16)			
Burdick, F. M. Prof. (9)	Tu. W. Th. 10-10:30	303 L.	633 W. 115
Burgess, J. W. Prof. and Dean Sch. Pol. Sci. (8)	M.-Th. 3-4:30	404 L.	323 W. 57
Burr, W. H. Prof. (10)		401 E.	151 W. 74
Burton-Opitz, R. Adj. Prof. (14)		P. & S.	Palisade, N. J.
Bush, W. T. Lect. (24)	Tu. Th. 3-4	420 L.	167 Joralemon, Bklyn.
Butler, Eliza R. Tr. (347)		H. M. S.	401 W. 118
Butler, N. M. Pres't. (8)	M. Tu. Th. F. 10:30-12	213 L.	119 E. 30
Cady, C. B. Lect. (346) (347)		H. M. S.	
Calhoun, Margaret, Instr. (345)		T.	
Calhoun, Mary E. Tr. (347)		H. M. S.	
Calkins, G. N. Prof. (13)	M. W. F. 2-4	604 S.	1 W. 81
Campbell, W. Adj. Prof. (17)	W. Th. F. 10-11	502 M.	Livingston
Canfield, G. F. Prof. (10)	M. Th. 11	302 L.	344 W. 72

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Canfield, J. H. Lib. (11)	M.-F. 9:30-12	201 L.	
Carpenter, C. U. Lect. (25)			400 Broadway
Carpenter, G. R. Prof. (10)	M. W. F. 3-4; Tu. Th. 2-3	304 E.	207 W. 56
Carpenter, W. H. Prof. (8)	Tu. Th. 3-4	316 U.	253 W. 100
Carr, M. L. Clin. Asst. (28)		V. C.	353 W. 57
Carter, Mrs. A. E. Tr. (345)		Sp. S.	449 W. 123
Cattell, J. McK. Prof. (9)	Absent on leave first half-year		Garrison, N. Y.
Chaddock, R. E. Lect. (24)	M. W. 9-9:45	205 W.	237 E. 104
Chambers, P. F. Prof. (19)		P. & S.	49 W. 57
Chandler, C. F. Prof. (8)		303 Hv.	
Chapin, Eleanor K. Tr. (348)		H. M. S.	
Chappell, W. F. Prof. (19)		P. & S.	7 E. 55
Church, E. C. Lect. (24)	M. 10-11	401 E.	4 E. 130
Clapp, Elsie R. Tr. (348)		H. M. S.	Brooks
Clark, H. A. Asst. (26)	M. W. S. 1-4	210 F.	1245 Amsterdam ave.
Clark, J. B. Prof. (10)	M. W. 1:40	204 W.	635 W. 115
Clark, J. E. Clin. Asst. (27)		V. C.	33 McKeel ave., Tarrytown, N. Y.
Clark, L. P. Clin. Asst. (27)		V. C.	23 W. 58
Clarke, Sir C. Purdon, Dir. Met. Mus. of Art (16)			
Clarke, W. C. Assoc. (19)		P. & S.	200 W. 56
Cleasby, Elizabeth M. Tr. (348)		H. M. S.	Whittier
Cleghorn, C. D. Clin. Asst. (28)		V. C.	312 W. 93
Coblentz, V. Prof. (15) (378)		Phar.	115 W. 68
Cohen, H. Asst.		Gym.	22 E. 112
Cohn, A. Prof. (9)	M. W. 10	309 W.	2018 Fifth ave.
Cole, F. N. Prof. (10)	M. 2	406 E.	
Cole, P. R. Instr. (345)		T.	Livingston
Coley, W. B. Assoc. (19)		P. & S.	5 Park ave.
Coll, A. P. Clin. Asst. (27)		V. C.	153 Lexington ave.
Collins, H. D. Instr. (22)		P. & S.	50 W. 55
Condit, Jane R. Tr. (347)		H. M. S.	Whittier
Condry, Margaret, Tr. (348)		H. M. S.	
Cook, E. Clin. Asst. (27)		V. C.	135 E. 37
Cooley, Anna M. Instr. (345)		T.	202 W. 79
Cooley, W. F. Tutor (24)	Tu. Th. F. 2-3	614 Hm.	192 Claremont ave.
Corbett, Florence L. Lect. (346)		T.	
Corbett, H. W. Assoc. Dir. of Atelier (24)	M.-F. 10-12; 2-5	122 E. 25	443 W. 21
Corbin, Alice M. Tr. (349)		Sp. S.	549 W. 123
Cornell, Grace, Instr. (345)		T.	33 Alsop, Jamaica, N. Y.
Cowan, J. A. Clin. Asst. (28)		V. C.	438 W. 44
Cox, K. Prof. (18)			75 W. 55
Cox, R. Instr. (21)		P. & S.	47 W. 44
Cragin, E. B. Prof. (10)		P. & S.	10 W. 50
Crampton, H. E. Prof. (12)	W. 1-3	413 B.	201 W. 122
Crawford, Caroline, Instr. (345)		T.	415 W. 117
Crocker, F. B. Prof. (9)	M. W. 11-12	503 E.	14 W. 45
Cunningham, R. H. Instr. (21)		P. & S.	238 W. 55
Curtis, C. C. Adj. Prof. (18)	Tu. Th. 2-4	502 S.	
Curtis, E. Emer. Prof. (7)			33 W. 69

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Curtis, J. G. Prof. (8)		P. & S.	327 W. 58
Curtis, Mary W. Asst. (346)		T.	457 W. 123
Cushing, H. A. Prof. (17)	M. W. 10-11	305 L.	127 W. 58
Cussler, E. Asst. (25)		P. & S.	203 W. 54
Dade, C. T. Clin. Asst. (28)		V. C.	25 W. 50
Daniell, Lucetta, Directress Teachers College (6)		T.	Whittier
Danielson, C. S. Bursar (5)	M.-F. 9:30-3:30; S. 9:30-12	205 East	2135 Seventh ave.
Darling, C. A. Tutor (24)	Tu. Th. 9-12	504 S.	529 W. 135
Darrach, W. Assoc. and Instr. (20)		P. & S.	107 W. 55
Daschbach, Grace M. Asst. (346)		T.	Carnegie Hall
Davidson, H. S. Lect. (24)	Tu. Th. 10-11	310 U.	151 W. 123
Davis, B. Instr. (22)	Tu. Th. 2-4	204 F.	500 W. 124
Davis, F., Jr. Assoc. (20)		P. & S.	58 W. 47
Davis, W. W. Lect. (25)	W. 3-3:30 W. 3:30-4	340 B. 712 Hm.	Hartley
Dawkins, S. M. Social Asst. (349)		Sp. S.	94 Lawrence
Day, C. Lect. (25)			Washington Bldg., Phila., Pa.
Day, W. S. Lect. (24)		408 F.	220 Hobart ave., Summit, N. J.
Dean, B. Prof. (10)	M. W. F. 4-5	605 S.	20 W. 82
Dederer, Pauline H. Tr. (23)	F. 10-11	403 B.	560 W. 113
Delafield, F. Emer. Prof. (7)			5 W. 50
Delano, W. A. Assoc. Dir. of Atelier (24)			143 E. 39
Devine, E. T. Prof. (16)	Tu. Th. 5	201 W.	501 W. 113
Dewey, J. Prof. (15)			
Dickey, F. A. Chief Clerk, Registrar's Office	M.-F. 9-5; S. 9-12	201 East Phar.	503 W. 124 115 W. 68
Diekman, G. C. Prof. (15)			51 W. 10
Dielman, F. Prest. Nat. Acad. of Design (16)		P. & S.	26 E. 48
Ditman, N. E. Instr. (21)		P. & S.	123 E. 74
Dixon, G. S. Instr. (21)			Nicetown, Phila., Pa.
Dodge, J. M. Assoc. (20)			
Dodge, R. E. Prof. (11)	W. F. 10-11; Th. 11-12	203 T.	Washington, Conn. Ft. E. 138
Doelling, L. Lect. (25)			
Dorr, G. H. Lect. (24)		V. C.	320 Central Pk. W.
Dounce, J. W. Clin. Asst. (27)		T.	501 W. 120
Dow, A. W. Prof. (15)	W. 3-4	P. & S.	49 W. 57
Dow, E. L. Assoc. (20)		P. & S.	127 W. 72
Dowd, C. N. Assoc. (19)		P. & S.	121 E. 36
Draper, W. K. Adj. Prof. (17)		710 Hm.	256 W. 57
Dunning, W. A. Prof. (9)	W. F. 3		
Dutton, S. T. Prof. (11)	M. F. 11-12:30; 3-5	H. M. S.	619 W. 114
Earhart, Lida B. Instr. (345)		T.	430 W. 118
Eddy, W. H. Asst. (26)		P. & S.	161 W. 140

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Edwards, D. J. Asst. (26)		218 S.	524 W. 123
Egbert, J. C. Prof. (10)	M. W. F. 11-12	109 L.	425 W. 140
Eichhorn, H. Clin. Asst. (27)		V. C.	67 E. 7
Ellard, C. H. Tutor (23)	Tu. 11-12	512 Hv.	361 W. 123
Elliott, A. H. Emer. Prof. (7)		Phar.	21st St. and Ave. A.
Emerson, H. Lect. (22)			30 Church
Emerson, H. Dem. and Asst. (25)		P & S.	120 E. 62
Epstein, S. Clin. Asst. (27) (28)		V. C.	591 Lexington ave.
Erb, F. C. Sup. Lib.		L.	520 W. 123
Erb, F. W. Sup. Lib.		L.	520 W. 123
Evans, E. M. Assoc. (20)		P. & S.	38 W. 48
Fackenthal, F. D. Chief Clerk	M.-F. 9-5; S. 9-12	213 L.	930 St. Mark's ave., Bklyn.
Falk, K. G. Tutor (23)	M. Tu. W. 1-4	210 F.	1070 Madison ave.
Falk, M. S. Lect. (24)			
Farnsworth, C. H. Adj. Prof. (12)	M. F. 2-3	118 T.	1230 Amsterdam ave.
Farrand, L. Prof. (11)	M. W. 11:30	513 S.	Boonton, N. J.
Farwell, H. W. Asst. (25)	Th. F. 2-4	233 B.	507 W. 124
Ferguson, H. B. Asst. Sec. Coll. of Phar. (6)	M.-F. 9-5; S. 9-2	Phar.	137 W. 69
Fink, M. Clin. Asst. (25) (28)		V. C.	274 W. 140
Fischer, C. S. Asst. (25)		P. & S.	144 E. 38
Fiske, T. S. Prof. (10)	M.-F. 11	204 Hm.	76 W. 86
Fitch, Lura P. Tr. (348)		H. M. S.	
Fitz-Gerald, J. D., II, Instr. (22)	M. W. 2	306 W.	
Fletcher, J. B. Prof. (15)	M. W. 11-12	511 F.	112 E. 22
Flexner, A. Asst. (26)	M. Th. 10	615 Hm.	66 E. 77
Foote, E. M. Instr. (20)		P. & S.	136 W. 48
Forbes, C. Curator (24)	M.-F. 9-5	308 F.	Hartley
Poster, N. B. Assoc. and Asst. (20)		P. & S.	69 E. 54
Fowler, S. W. Clin. Asst. (28)		V. C.	155 W. 48
Fox, G. H. Clin. Asst. (28)		V. C.	616 Madison ave.
French, A. T. Tr. (347)		H. M. S.	1115 Amsterdam ave.
French, D. C. Prof. (18)			125 W. 11
Frieder, W. Clin. Asst. (27)		V. C.	11 W. 117
Frink, C. A. Asst. (25)		P. & S.	457 W. 144
Frissell, L. F. Instr. (21)		P. & S.	113 E. 56
Frothingham, R. Instr. (20)		P. & S.	616 Madison ave.
Fullerton, G. S. Prof. (14)	Absent on leave first half-year		
Fulmer, Grace, Instr. (345)		T.	503 W. 121
Furst, C. Sec. of Teachers College (6)	M. W. F. 2-4; Tu. Th. S. 10-12	106 T.	Lowerre Summit, Yonkers, N. Y.
Gallaudet, B. B. Adj. Prof. and Assoc. (15)		P. & S.	115 E. 16
Gardner, E. H. Asst. (26)	M. S. 9; W. 11	137 B.	Livingston

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Garretson, W. V. P. Clin. Asst. (28)		V. C.	1 W. 69
Gates, W. J. Sec. of Gym.		Gym.	18 Jefferson, Nyack, N. Y.
Geer, Mrs. Cora M. Sec. H. M. El. Sch. (347)		H. M. S.	Broadway, Kingsbridge
George, Theodora, Asst. Registrar, Teachers College (6)	M.-F. 10-12; 2-4; S. 10-12	104 T.	528 W. 123
Gerig, J. L. Tutor (23)	Tu. Th. 11-12	305 Hm.	
Gibney, V. P. Prof. (14)		P. & S.	16 Park ave.
Giddings, F. H. Prof. (10)	M. 2:30; F. 1:30	408 L.	150 W. 79
Gies, W. J. Prof. (12)		P. & S.	437 W. 59
Gildersleeve, Virginia C. Lect. (24)	Tu. 10	136 B.	28 W. 48
Gillette, C. Asst. (25)		P. & S.	4 E. 41
Gillmore, Mary B. Tr. (347)		H. M. S.	415 W. 118
Goetze, F. A. Dean Sch. App. Sci. and Consulting Eng. (5)	M. W. F. 1-2	405 E.	411 W. 117
Gohdes, W. H. Tr. (347)		H. M. S.	Hartley
Going, C. B. Assoc. (20)			140 Nassau
Gold, J. D. Clin. Asst. (28)		V. C.	
Goldman, A. Clin. Asst. (28)		V. C.	4079 Fulton ave.
Goodfriend, N. Clin. Asst. (27)		V. C.	243 E. 72
Goodhardt, S. P. Clin. Asst. (27)		V. C.	123 E. 60
Goodnow, F. J. Prof. (8)	M. W. 3-4	407 L.	49 Riverside Drive
Goodridge, F. G. Clin. Asst. (28)		V. C.	332 Lexington ave.
Goodridge, M. Asst. (25)		P. & S.	260 W. 76
Goodsell, Willystine Instr. (345)		T.	417 W. 120
Gottheil, R. J. H. Prof. (8)		309 U.	
Grabau, A. W. Prof. (12)	M. W. F. 11-12	101 S.	519 W. 152
Gregory, Louise H. Asst. (26)		B.	
Gregory, W. K. Lect. (24)	Tu. 2-4	Am. Mus.	
Guernsey, R. Tutor (23)	M. W. 3-3:30	Nat. Hist.	2313 Loring Pl.
Gunn, J. N. Lect. (25)		508 Hm.	418 W. 118 43 Wall
Haas, S. V. Asst. (25)		P. & S.	666 West End ave.
Haefelin, Fanny J. Tr. (347)		H. M. S.	420 W. 121
Haight, L. H. Instr. (22) (345)	Tu. Th. 10-12	125 T.	524 W. 123
Hall, E. J. Instr. (22)	M.-Th. 9-12; F. 9-11	206 Hv.	520 W. 122
Hallock, W. Prof. and Dean Sch. Pure Sci. (9)	M. W. F. 11 M. W. F. 12:20	406 F. 304 E.	3609 Broadway 125 W. 76
Hamilton, B. W. Clin. Asst. (28)		V. C.	
Hamlin, A. D. F. Prof. (8)	M. F. 10-11; Tu. Th. 2-3	607 Hv.	105 Morningside ave. E.
Hanckel, Mary B. Tutor (345)		T.	541 W. 123
Harcourt, Nellie, Tr. (349)		Sp. S.	151 W. 105
Harpham, Flora E. Com- putor (25)		602 F.	
Harriman, C. A. Instr. (20)	M.-F. 9-5	605 Hv.	417 W. 114

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Harrington, T. H. Tutor (23)	Tu. Th. 10-11	604 E.	1437 Doris St., Bronx
Hart, T. S. Instr. (21)		P. & S.	130 W. 59
Hartley, F. Prof. (19)		P. & S.	61 W. 49
Haskell, (Mrs.) Juliana, Asst.			
(26)	Tu. 3-4	209 B.	209 W. 108
Hastings, T. Dir. of Atelier (16)	M.-F. 9-5	225-5th ave.	
Hau, G. W. Asst.			
Hauch, E. F. Tr. (347)		H. M. S.	Hartley
Haviland, C. F. Clin. Asst. (28)		V. C.	Manhattan State Hosp'l, Ward's Is.
Hawley, Harriet, Sec. to Dean, Teachers College		T.	Whittier
Hayden, J. R. Prof. (14)		P. & S.	121 W. 55
Hayes, Anna G. Asst.		T.	135 E. 15
Hayes, C. H. Lect. (24)	M. W. 2	714 Hm.	Hartley
Hayt, E. K. Asst. Bursar, P. & S. (5)	M.-F. 10-5	P. & S.	104 W. 128
Hazen, T. E. Instr. (22)	Tu. 1	320 B.	Livingston
Healy, Florence M. Tr. (348)		H. M. S.	20 Hampton Pl., Bklyn.
Henderson, A. C. Clin. Asst. (27)		V. C.	73 E. 92
Hendrian, A. W. Asst.		Gym.	153 E. 86
Herrick, W. W. Asst. (26)		P. & S.	76 W. 86
Herrman, C. Clin. Asst. (28)		V. C.	250 W. 88
Herter, C. A. Prof. (13)		P. & S.	819 Madison ave.
Hervey, W. A. Adj. Prof. and Registrar (14)	M. W. F. 10 M.-S. 10:30; } Tu. Th. 4 }	407 Hm.	
Hess, H. Lect. (25)		202 East	607 W. 138 90 West st.
Heuser, F. W. J. Tutor (23)	Tu. 3; F. 11	403 Hm.	450 Throop ave., Bklyn.
Hill, Patty S. Instr. (345)		T.	628 W. 114
Hirst, Gertrude M. Instr. (21)	Tu. 10	212 B.	Brooks
Hirth, F. Prof. (12)	Th. 11	304 U.	501 W. 113
Hiss, P. H., Jr. Prof. (13)		P. & S.	200 Columbia Heights, Bklyn.
Hodenpyl, E. Adj. Prof. (14)		P. & S.	37 E. 63
Hodgson, J. H. P. Instr. (22)		P. & S.	29 Washington Sq.
Hoffman, A. Asst. (26)	M.-F. 9-5	405 Hv.	217 Hewes, Bklyn.
Hoge, A. A. Tr. (347)		H. M. S.	
Holcomb, H. V. Asst. (25)		P. & S.	147 E. 38
Holden, W. A. Instr. (21)		P. & S.	43 W. 48
Hollingsworth, H. L. Asst. (25)	M.-Th. 2 and 4	510 S.	520 W. 123
Holm, G. T. Tr. (347)		H. M. S.	
Holmes, P. K. Tr. (348)		H. M. S.	Livingston
Holt, L. E. Prof. (12)		P. & S.	14 W. 55
Holter, P. C. H. Sec. Com. on Employment for Stu- dents	M.-F. 9-5; S. 9-12	311 East	Livingston
Hooker, R. S. Clin. Asst. (27)		V. C.	26 E. 48
Hotchkiss, Caroline W. Tr. (348)		H. M. S.	502 W. 113
Hotchkiss, L. W. Assoc. (19)		P. & S.	59 W. 48
Howe, H. M. Prof. (12)		512 M.	Bedford Station, N. Y.
Howland, J. Instr. (21)		P. & S.	49 E. 53

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Hubbard, Grace A. Adj. Prof. (17)	Tu. 11-12	334 B.	618 W. 114
Hubbard, S. D. Clin. Asst. (28)		V. C.	143 W. 103
Huber, F. Prof. (19)		P. & S.	209 E. 17
Humphreys, F. B. Dem. (23)		P. & S.	78 W. 85
Humphries, H. R. Clin. Asst. (27)		V. C.	269 Alexander ave.
Hunt, C. W. Tr. (348)		H. M. S.	Hartley
Hunt, E. L. Instr.		P. & S.	54 W. 50
Huntington, G. S. Prof. (9)		P. & S.	Scarsdale, N. Y.
Hurd, Florence Sec. of Dept.		T.	
Hutchinson, Mary E. Prin. Tr. Sch. Sloane Maternity Hosp'l		S. M. H.	457 W. 59
Huttmann, Maude A. Tutor (24)	M. 3-4; Tu. Th. 4-4:30	340 B.	Brooks 257 W. 86
Hutton, F. R. Emer. Prof. (7)			
Inglis, A. J. Tr. (348)		H. M. S.	Hartley
Irving, P. Asst. (25)		P. & S.	200 W. 57
Isaacs, C. A. Asst. (26)	M. W. F. 10-12	505 F.	Livingston
Jackson, A. V. W. Prof. (9)		306 U.	10 Highland Pl., Yonkers, N. Y.
Jackson, F. W. Prof. (16)		P. & S.	555 Madison ave.
Jackson, G. T. Prof. (18)		P. & S.	15 E. 29
Jackson, J. A. Clin. Asst. (27)		V. C.	344 W. 85
Jacobi, A. Emer. Prof. (7)			19 E. 47
Jacoby, H. Prof. (10)	M. W. 10-11	610 F.	333 W. 76
Jaeger, C. H. Instr. (22)		P. & S.	24 W. 59
James, Clara C. Tr. (349)		Sp. S.	515 W. 111
James, W. B. Prof. (12)		P. & S.	17 W. 54
Janeway, T. C. Assoc. (20)		P. & S.	46 W. 48
Jessup, D. S. D. Instr. and Asst. and Medical Visitor (22)	Daily 5-6 and by appointment		542 W. 112
Jewell, Isabella E. Tutor (345)		T.	431 W. 121
Johnson, A. B. Prof. (19)		P. & S.	12 E. 58
Johnson, Elizabeth Tr. (349)		Sp. S.	94 Lawrence
Johnson, H. Prof. (16)	Tu. Th. 10-11	320 T.	620 W. 116
Jordan, D. Adj. Prof. (17)	Tu. Th. 10-11	311 Hm.	419 W. 115
Jouët, C. H. Tutor (23)	Tu. 11-12; S. 10-12	505 Hv.	Roselle, N. J.
Judd, E. K. Instr. (22)	M. W. F. S. 9-12	408 M.	509 W. 140
Julien, A. A. Curator (24)	M.-F. 10-12	303 S.	505 W. 124
Kaliski, D. Clin. Asst. (28)		V. C.	103 E. 103
Kasner, E. Adj. Prof. (16)	Tu. S. 10	309 B.	22 W. 119
Keator, M. H. Dem. (23)		P. & S.	107 E. 70
Keller, Eleanor Tutor (23)		435 B.	417 W. 114
Kemp, J. F. Prof. (9)	Tu.-Th. 11-12; 1:30-2:30	403 S.	211 W. 139
Kent, J. M. Asst. (25)		P. & S.	The Amidon, Broadway and 83
Kenyon, J. H. Instr. (21)		P. & S.	37 W. 71

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Keppel, F. P. Sec. (5)	M.-F. 10-12; 2-4; S. 10-12		
Kern, E. F. Instr. (22)	Daily (exc. W.) 9:30-11	213 L.	142 E. 18
Keyes, Maud V. Tr. (348)		404 M.	Livingston
Keyser, C. J. Prof. (26)		H. M. S.	431 W. 121
Kingsley, Margaret A. Asst. (26)	Tu.-F. 1:30	506 Hm.	74 W. 103
Kinne, Helen, Prof. (11)		313 B.	515 W. 111
Kinnicutt, F. P. Prof. (19)	Tu. Th.	417 T.	8 Morningside ave. E.
Kirchwey, Clara B. Instr. (345) (348)		P. & S.	39 E. 35
Kirchwey, G. W. Prof. and Dean Sch. of Law (9)		T.	908 St. Nicholas ave
Kirchwey, Mary F. Tr. (348)	Daily 11-12	206 L.	908 St Nicholas ave.
Kirk, E. Asst. (25)		H. M. S.	
Knapp, A. H. Prof. (14)		101 S.	528 W. 123
Knapp, C. Prof. (12)	M. W. 2-4	P. & S.	26 W. 40
Knapp, C. B. Prof. (18)		331 B.	1737 Sedgwick ave.
Knapp, H. Emer. Prof. (7)		Phar.	60 W. 76
Knox, Rev. R. C. Chaplain (6)	M.-F. 2-4		26 W. 40
Krathwohl, W. C. Tutor (23)	M. F. 11-12	E. H.	Hartley
Kress, O. Tutor (23)		309 B.	520 W. 123
Kurtz, E. L. Adj. Prof. (18)	M. W. F. 10-11	309 Hv.	438 W. 116
		403 M.	Livingston
La Farge, J. Prof. (18)			51 W. 10
La Petra, L. E. Assoc. (19)		P. & S.	58 W. 58
Lambert, A. Van S. Instr. (21)		P. & S.	29 W. 36
Lambert, S. W. Prof. and Dean Sch. of Medicine (13)	M. Tu. Th. F. 10:30		
Lamme, M. A. Tutor (23)	M.-F. 10-11	P. & S. 106 S.	130 E. 35 St. Francis Court, 135 and Riverside Drive
Lancer, T. F. Clin. Asst. (27)		V. C.	1336 Washington ave.
Langford, Grace Tutor (24)		B.	Whittier
Langzettel, Mrs. M. B. B. Lect. (346)		T.	
Larkin, J. H. Adj. Prof. (16)		P. & S.	601 W. 135
Latham, Azubah J. Lect. (345)		T.	417 W. 120
Latham, Helen, Tr. (345) (348)		H. M. S.	417 W. 120
Latham, Marion E. Tutor (23)	F. 10	313 B.	417 W. 148
Lawrence, W. W. Adj. Prof. (17)	M.-W. 11-12	507 F.	712 West End ave.
Leaming, E. Instr. (20)		P. & S.	437 W. 59
Lee, F. S. Prof. (10)		P. & S.	125 E. 65
Lefferts, G. M. Emer. Prof. (7)			212 Madison ave.
Leggett, N. B. Asst. (26)		P. & S.	104 W. 74
Leshure, J. Clin. Asst. (27)		V. C.	423 Convent ave.
Leslie, F. P. Instr. (379)		Phar.	115 W. 68
Levin, I. Clin. Asst. (28)		V. C.	129 W. 122
Lewis, Mary H. Tr. (348)		H. M. S.	602 W. 146
Lewis, R., Jr. Prof. (19)		P. & S.	48 W. 40

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Liggett Mrs. N. W. Bursar of Barnard College (6)	M.-F. 10-4; S. 10-12	B.	
Lindsay, S. M. Prof. (18)	Tu. Th. 4-5	205 W.	Englewood, N. J.
Ling, G. H. Instr. (21)	M. W. 10	210 Hm.	510 W. 124
Lingley, R. T. Lect. (25)			527 Fifth ave.
Lockwood, G. R. Adj. Prof. (17)		P. & S.	18 E. 52
Lodge, G. Prof. (11)	M. W. 3:30-4:30	228 T.	403 W. 115
Loiseaux, L. A. Adj. Prof. (14)	M. W. 3 Tu. Th. 4	310 Hm.	507 W. 124
Lord, H. G. Prof. (11)	M. W. F. 10-11	615 Hm.	623 W. 113
Lothrop, A. P. Asst. (26)		P. & S.	Hartley
Lovell, E. B. Prof. (10)	Tu. Th. 9-10 Th. 11-12	409 E.	235 W. 102
Lucke, C. E. Prof. (16)	Tu. Th. S. 1-3	304 E.	544 W. 142
Ludlow, T. W. Lect. (25)	M.-F. 9-12	610 Hv.	2405 Grand ave.
Ludner, L. M. Adj. Prof. (14)	W. Th. F. 1-4	306 S.	321 W. 80
McBurney, C. Emer. Prof. (7)			38 E. 31
McCastline, W. H. Instr. (345)		T.	Faculty Club
McChesney, J. Asst. (26)	M. W. F. 9-11	419 L.	Livingston
McCrea, N. G. Prof. (11)	M. W. 11-12	510 Hm.	417 W. 118
McEntee, E. J. Clin. Asst. (27)		V. C.	93 Lee Ave., Bklyn.
McFarland, G. H., Jr. Instr. (22)		P. & S.	447 W. 59
McGregor, J. H. Adj. Prof. (17)	W. F. 1-2	610 S.	Livingston
McKim, C. F. Dir. of Atelier (16)			160 Fifth ave.
McKinley, J. H. Tr. (348)		H. M. S.	157 W. 71
McLane, J. W. Emer. Prof. (7)			51 W. 38
McMahon, Kate Instr. (345)		T.	537 W. 121
McMurry, F. M. Prof. (11)	Absent on leave 1908-9		
McVey, F. Mabel Tr. (348)		H. M. S.	Whittier
McWhood, L. B. Adj. Prof. (14)	W. 3	606 M.	511 W. 112
McWilliams, C. A. Instr. (21)		P. & S.	112 W. 55
MacAlarney, Emma L. Tr. (348)		H. M. S.	430 W. 118
Macgregor, J. S. Asst. (25)		308 E.	
MacLaurin, R. C. Prof. (18)	M. W. F. 9:30-10	603 F.	415 W. 118
Maclay, J. Prof. (11)	M. W. F. 9:30-10	209 H.	Pleasantville, N. Y.
Macleod, Annie L. Asst. (26)	M. W. 9-11	436 B.	Brooks
Macumber, J. L. Clin. Asst. (27)		V. C.	240 Washington ave., Bklyn.
MacVannel, J. A. Prof. (14)	M. W. 3-4; S. 10-12	112 T.	411 W. 115
Macy, Cornelia P. Recorder (5)		213 L.	2147 Seventh ave.
Main, T. F. Sec. of Coll. of Phar. (6)	M.-F. 9-5; S. 9-12	Phar.	Montclair, N. J.
Maltby, Margaret E. Adj. Prof. (13)	Tu. 11-12	240 B.	Brooks
Mansfield, W. Prof. (18)		Phar.	115 W. 68
March, Maud Instr. (344)		T.	81 Morningside ave., E.
Marple, C. F. Instr. (345)		T.	350 W. 120
Marshall, Florence M. Tr. (348)		H. M. S.	430 W. 118
Martin, D. C. Clin. Asst. (27)		V. C.	151 W. 106

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Martin, W. Instr. (20)		P. & S.	25 W. 50
Mason, H. H. Asst. (26)		P. & S.	48 W. 51
Mathews, F. S. Assoc. (10)		P. & S.	62 W. 50
Matthews, B. Prof. (9)	S. 9:30. Absent on leave second half-year	502 F.	681 West End ave.
Maury, J. W. D. Assoc. (19)		P. & S.	264 W. 57
Maxson, A. R. Tutor (23)	Tu. Th. 10-11	211 Hm.	
May, W. R. Asst. (25)		P. & S.	4 E. 41
Mayer, R. E. Adj. Prof. (13)	Tu. Th. 10-11	602 E.	151 Prospect ave., Mt. Vernon, N. Y.
Meara, F. S. Instr. (22)		P. & S.	400 West End ave.
Meeker, H. D. Clin. Asst. (27)		V. C.	166 W. 72
Merrill, Valeria I. Lib. H. M. S. (347)		H. M. S.	Whittier
Metzger, F. J. Instr. (22)	Tu. Th. 11-12 S. 9-10	507 Hv.	527 W. 124
Meyer, Anna E. H. Sec. of Barnard College (6)	M.-F. 10-12; 2-4 S. 10-12 B.		15 Cedar Pl. Yonkers, N. Y.
Meylan, G. L. Adj. Prof. and Med. Dir. of Gym. (13)	M. F. 2-4 S. 11-12 Tu. W. Th. 3-4:30	Gym.	468 W. 141
Michaelis, A. Clin. Asst. (28)		V. C.	173 E. 95
Miller, A. M. Instr. (21)		P. & S.	142 S. 10, Newark, N. J.
Miller, D. S. Prof. (17)		614 Hm.	
Miller, E. Clin. Asst. (28)		V. C.	151 W. 95
Miller, Edyth Sec. Ed. Museum, T. C.		T.	102 W. 93
Miller, Ethelwyn Tr. (348)		H. M. S.	511 W. 122
Miller, J. A. Instr. (21)		P. & S.	550 Park ave.
Miller, S. O. Instr. (22)	M.-F. 2-4	603 E.	West Nyack, N. Y.
Mitchell, H. B. Prof. (15)	Tu. Th. 10-11	304 Hm.	80 Washington Sq.
Mitchell, S. A. Adj. Prof. (18)	M. W. 10-11	606 F.	317 W. 121
Monroe, P. Prof. (11)	W. F. 3-4	314 T.	44 Prospect Dr., Yonkers, N. Y.
Montague, W. P. Adj. Prof. (17)		416 L.	
Moore, H. L. Prof. (12)	Tu. Th. 11-11:30	202 W.	501 W. 120
Moore, J. B. Prof. (9)	Absent on leave 1908-9		
Moretsky, H. M. Clin. Asst. (28)		V. C.	1836 Lexington ave.
Morgan, J. L. R. Prof. (12)	Daily 10-11	411 Hv.	
Morgan, T. H. Prof. (14)		612 S.	
Morrison, C. E. Tutor (23)	M. W. F. 1-4	401 E.	619 W. 113
Morse, L. B. Lect. (24)	M. Th. F. 2-3	201 F.	505 W. 122
Mosenthal, H. O. Asst. (26)		P. & S.	16 W. 85
Moses, A. J. Prof. (9)	M.-F. 4-5	307 S.	3611 Broadway
Muller, H. F. Tutor (23)	Tu. 2-3; Th. 3-4	112 B.	
Munroe, H. S. Prof. (8)	M. W. F. 12:20 12:50	407 M.	501 W. 120
Myers, J. Sec. of Earl Hall (6)	Daily 9-5	E. H.	309 W. 70

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Neish, A. C. Tutor (23)	Daily 11-12	418 Hv.	542 W. 124
Neitz, J. D. Tr. (348)		H. M. S.	527 W. 124
Nelms, W. S. Asst. (26)	M. Th. S. 1-4	401 F.	Livingston
Nelson, C. A. Lib. Columbia College		Hm.	505 W. 142
Nelson, F. A. Lect. (24)	Tu. F. 2-5	601 Hv.	611 W. 112
Nelson, J. M. Tutor (24)	Daily 2-5	401 Hv.	527 W. 124
Nichols, E. F. Prof. (13)	Tu. Th. 12	408 F.	430 W. 118
Nisselson, M. Clin. Asst. (28)		V. C.	21 E. 112
Norrie, Van H. Adj. Prof. (17)		P. & S.	21 W. 37
Norris, H. L. Supt. of Buildings and Grounds (5)	M.-F. 10-11	110 L.	Livingston
Norsworthy, Naomi Instr. (344)		T.	557 W. 124
Nourse, Lilla A. Tr. (348)		H. M. S.	541 W. 123
Noyes, W. Instr. (344)		T.	618 W. 114
Nutting, Mary A. Prof. (16)	Tu. 11-12 Th. 1-2	553 T.	415 W. 118
Oastler, F. R. Assoc. (19)		P. & S.	126 W. 59
Odell, G. C. D. Prof. (12)	M. W. 2-3	611 Hm.	44 W. 44
Oehler, J. Adj. Prof. (15)		Phar.	Carlstadt, N. J.
Ogden, C. J. Asst. (26)			
Ogilvie, Ida H. Tutor (23)	Tu. 2-4	214 B.	Hotel Ansonia
Olcott, G. N. Adj. Prof. (14)	Absent on leave second half-year	109 L.	
Olpp, A. E. Instr. (22)		P. & S.	351 Summit ave. W. Hoboken, N. J.
O'Neil, F. W. Lect. (25)			42 Broadway Ft. E. 138
Ophuls, F. Lect. (25)			
Opie, E. L. Dem. (23)		P. & S.	
Osborn, H. F. Prof. (9)	Tu.	608 S.	850 Madison ave.
Osburn, R. C. Instr. (22)	W. 10-11; F. 11-12	409 B.	510 W. 124
Osgood, C. Clin. Asst. (27)		V. C.	58 Central Park W.
Osgood, H. L. Prof. (9)	Tu. Th. 4:30	320 U.	526 W. 150
Page, C. H. Prof. (16)	M. W. 10 M. W. F. 10:30	308 Hm.	
Painter, H. M. Prof. (15)		112 B.	235 W. 109
Palmer, Luella A. Tr. (349)		P. & S.	62 W. 55
Parker, H. C. Adj. Prof. (13)	Tu. W. F. 2-4	Sp. S.	235 E. 18
		410 F.	21 Fort Greene Pl. Bklyn.
Parr, H. L. Instr. (22)	Daily (exc. W.) 2-4	207 E.	105 W. 77
Patterson, H. S. Assoc. (20)		P. & S.	149 E. 62
Peabody, Mary G. Tr. (348)		H. M. S.	416 W. 118
Pearson, H. C. Prin. of H. M. Elem. Sch. (13)	M. Tu. Th. 2-3 W. 8:45-10	H. M. S.	501 W. 120
Peck, C. H. Assoc. (20)		P. & S.	30 W. 50
Peck, H. T. Prof. (8)	M. 11-12; W. 5-6	301 East	500 W. 121
Peele, R. Prof. (9)	M. W. F. 10-12	405 M.	351 W. 114
Pegram, G. B. Instr. (21)		205 F.	509 W. 124
Pellow, C. E. Adj. Prof. (10)	Tu. 2-6	416 Hv.	48 E. 26
Penck, A. F. K. Prof. (18)		302 S.	
Pender, L. E. Asst. (26)	Daily 9-11	607 F.	Livingston

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Perry, E. D. Prof. and Dean Sch. of Phil. (9)	M. W. F. 3-4 Absent on leave second half-year	306 East P. & S.	542 W. 114 4 W. 50
Peterson, F. Prof. (17)			
Pfister, J. C. Adj. Prof. (15)	Absent on leave 1908-9		
Pillsbury, W. B. Non-resi- dent Lect. (25)			
Pomeroy, C. H. Bursar Teachers College (6)		T.	Livingston
Pool, E. H. Instr. (21)		P. & S.	128 E. 64
Poor, C. L. Prof. (15)	Th. F. 10-11	608 F.	4 E. 48
Poore, C. T. Assoc. (19)		P. & S.	43 W. 53
Porterfield, A. W. Tutor (23)	M. F. 2-3	336 B.	Hartley
Potter, N. B. Instr. (21)		P. & S.	48 W. 51
Pratt, Isabelle L. Recorder Teachers College (6)		T.	221 W. 104
Pratt, Marion R. Ex. Sec. H. M. S. (347)		H. M. S.	221 W. 104
Prentice, A. C. Asst. (25)		P. & S.	226 W. 78
Prescott, Harriett B. Sup. Lib.		L. Gym.	34 Gramercy Pk. 420 W. 118
Prettyman, A. I. Asst.			
Prettyman, V. Prin. of H. M. High Sch. (11)	M. Tu. Th. 2-3 W. 10-11	H. M. S.	501 W. 120
Prince, J. D. Prof. (12)		308 U.	Sterlington, N. Y.
Proben, C. J. Instr. (21)		P. & S.	970 Lexington ave.
Prout, T. P. Clin. Asst. (27)		V. C.	152 W. 57
Prudden, T. M. Prof. (9)		P. & S.	160 W. 59
Pupin, M. I. Prof. (9)			
Putnam, C. R. L. Dem. (23)		P. & S.	121 E. 38
Raabe, A. Clin. Asst. (27)		V. C.	359 E. 156
Rainforth, S. I. Clin. Asst. (28)		V. C.	Broadway and 61
Rautenstrauch, W. Prof. (16)	Daily 11-12	507 E.	42 Morris, Yonkers, N. Y.
Rea, Matilda G. Asst. (346)		T.	2 W. 32
Reddick, H. W. Asst. (26)	M. Tu. W. F. 10-12		
Redfield, H. S. Prof. (12)	M. F. 10-11	505 F.	Livingston
Reed, A. F. Tr. (348)		414 L.	1925 Seventh ave.
Reed, Margaret A. Tutor (23)	Absent on leave 1908-9	H. M. S.	Hartley
Reimer, Marie, Instr. (21)	Tu. Th. 1-2	438 B.	420 W. 118
Remy, A. F. J. Adj. Prof. (17)	M. W. 3-4	409 Hm.	222 W. 141
Reynolds, W. S. Instr. (22)		P. & S.	66 W. 71
Richard, E. D. Lect. (24)	Tu. Th. 3-4	410 Hm.	12 W. 103
Richards, Mrs. Ellen H. Lect. (346)		T.	
Richards, H. M. Prof. (13)	M. F. 10	316 B.	618 W. 114
Roantree, W. F. Tr. (348)		H. M. S.	530 W. 122
Robbins, Ida E. Tr. (348)		H. M. S.	417 W. 118
Robbins, Mrs. L. W. Neighbor- hood Worker, Sp. S. (349)		Sp. S.	94 Lawrence

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Robinson, E. Asst. Dir. Met. Mus. of Art (16)			
Robinson, J. H. Prof. (10)	Tu. Th. 9.30-10	711 Hm.	567 W. 113
Rockwell, Bertha L. Lib. Barnard College (326)		B.	598 E. 142
Roff, A. W. Clin. Asst. (27)		V. C.	68 W. 92
Rogers, G. S. Asst. (26)	M. Th. 1-4	106 S.	516 W. 142
Rogers, Lillian E. Tr. (348)		H. M. S.	502 W. 113
Rubner, C. Prof. (15)	W. 10	607 M.	400 W. 118
Rusby, H. H. Prof. and Dean of Coll. of Phar. (15)		Phar.	115 W. 68
Russell, J. E. Prof. and Dean of Teachers College (11)	M.-F. 11-12	103 T.	500 W. 121
Russell, J. I. Instr. (22)		P. & S.	601 Madison ave.
Russell, Martha M. Supt. Sloane Maternity Hosp'l		S. M. H.	457 W. 59
Ryder, G. H. Instr. (21)		P. & S.	34 W. 55
Sachs, J. Prof. (13)	M. W. 3-4; S. 10-11	229 T.	149 W. 81
Sage, Elizabeth, Instr. (345)		T.	2337 Broadway
Sanford, Laura Sec. Dept. Phys. Educ. T. C.		T.	430 W. 118
Saunders, T. L. Instr. (22)		P. & S.	34 W. 55
Saville, M. H. Prof. (13)	M. W. 9-10	507 S.	292 W. 92
Sawyer, C. P. Press Repre- sentative		323 U.	
Schenck, Aletta V. W. Instr. (345)		T.	611 W. 112
Schmitt, A. E. Instr. (21)		P. & S.	123 E. 60
Schnepel, G. A. Clin. Asst. (28)		V. C.	343 W. 29
Schulman, M. Clin. Asst. (28)		V. C.	229 W. 111
Schulte, H. von W. Adj. Prof.		P. & S.	176 W. 87
Schüssler, Amy, Prin. Sp. S. (349)		Sp. S.	558 W. 182
Scott, G. W. Lect. (24)	M. Tu. 10-12	412 L.	Faculty Club
Scripture, E. W. Clin. Asst. (27)		V. C.	87 Madison ave.
Seager, H. R. Prof. (12)	Absent on leave 1908-9		
Seely, Bertha W. Sec. to Prin. H. M. High Sch. (347)		H. M. S.	Whittier
Seibert, Jeannette R. Re- corder Dept. Phys. Educ. T. C. (346)		T.	508 W. 113
Seligman, E. R. A. Prof. (8)	Tu. Th. 1:30- 2:10; F. 2-3	409 L.	324 W. 86
Sever, G. F. Prof. (11)	M.-F. 9-5	504 E.	620 W. 116
Severinghaus, W. L. Asst. (26)	W. S. 1-4	201 F.	505 W. 122
Shear, T. L. Tutor (23)	Tu. 3-4	338 B.	509 W. 122
Shearer, L. H. Dem. and Asst. (22)		P. & S.	133 E. 57
Shelley, Lillian D. Tr.		H. M. S.	
Shepherd, W. R. Prof. (15)	Absent on leave first half-year		
	M. W. 9:15-10	712 Hm.	
	M. W. 3:15-4	403 L.	468 Riverside Drive

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Sherman, F. D. Prof. (9)	M. W. F. 2-4	613 Hv.	158 W. 105
Sherman, H. C. Prof. (15)	Daily 3-4	509 Hv.	527 W. 124
Shotwell, J. T. Prof. (15)	W. 3-4; Tu. Th. 3:30	708 Hm. 340 B.	160 W. 106
Shrady, A. M. Instr. (20)		P. & S.	135 W. 73
Sicard, M. H. Clin. Asst. (28)		V. C.	15 E. 47
Siceloff, L. P. Tutor (23)	M. W. 1:30	212 Hm.	1120 Amsterdam ave.
Silver, L. M. Asst. (26)		P. & S.	103 W. 72
Simkhovitch (Mrs.) Mary K. Adj. Prof. (18)	Tu. 4-5	308 B.	26 Jones
Simkhovitch, V. G. Adj. Prof. (16)		307 L.	
Simpson, W. K. Prof. (14)		P. & S.	952 Lexington ave.
Skarstrom, W. Instr. (21) (345)	M. W. F. S. 10-11	Gym.	510 W. 124
Skinner, Edna L. Asst. (348)		T.	Whittier
Sleffel, C. C. Instr. (20) (344)	Daily 12:40-2	32 T.	509 W. 124
Sloane, W. M. Prof. (10)	M. W. F. 2	704 Hm.	105 E. 69
Smith, C. H. Asst. (25)		P. & S.	2880 Broadway
Smith, D. E. Prof. (12)	Tu. Th. 10-11	212 T.	250 W. 88
Smith, E. R. Ref. Lib. (16)	Daily 2-5	Avery Lib.	118 W. 109
Smith, F. C. Clin. Asst. (27)		V. C.	362 W. 57
Smith, H. Instr. (22)		P. & S.	44 W. 49
Smith, Munroe, Prof. (8)	W. F. 2-3 Absent on leave second half-year	409 L.	Faculty Club
Snedden, D. S. Adj. Prof. (16)	Tu. Th. 11	T.	63 Morningside ave., E.
Solley, F. P. Instr. (21)		P. & S.	114 E. 60
Spencer, H. J. Asst. (26)		618 S.	Hartley
Speranza, C. L. Prof. (10)	Tu. 3-4 Absent on leave second half-year	301 W.	120 E. 86
Spingarn, J. E. Adj. Prof. (14)	M. W. F. 3-3:15	509 F.	9 W. 73
Sprague, S. E. Clin. Asst. (28)		V. C.	71 W. 55
Stackpole, Caroline E. Tutor (345)		T.	2787 Broadway
Starr, M. A. Prof. (8)		P. & S.	5 W. 54
Steel, M. Instr. (22)		P. & S.	Livingston
Steele, Roxana A. Tr. (349)		Sp. S.	94 Lawrence
Steeves, H. R. Tutor (24)	W. 11-12	606 Hm.	596 Riverside Drive
Steinhardt, I. D. Clin. Asst. (27) (28)		V. C.	160 W. 106
Stevens, Romiett, Instr. (345)		T.	Whittier
Stone, Theo Tr. (348)		H. M. S.	
Stoughton, B. Adj. Prof. (14)		512 M.	
Strayer, G. D. Adj. Prof. (18)	M. Tu. 10; W. 4 S. 11	313 T.	533 W. 124
Strong, C. A. Prof. (13)	Absent on leave 1908-9		
Strong, O. S. Instr. (21)		P. & S.	Livingston
Sturtevant, E. H. Tutor (21)	M. 11:10-11:40	338 B.	Edgewater, N. J.
Sutherland, Louise C. Tutor (345) (348)		T.	265 W. 72

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Suzzallo, H. Adj. Prof. (18)	M. F. 2	205 T.	515 W. 124
Swift, G. M. Instr. (20)		P. & S.	20 W. 55
Sykes, F. H. Prof. and Dir. Extension Teaching (13)	M. Tu. W. F. S. 11	111 T.	Lowerre Summit Pk. Yonkers, N. Y.
Tassin, A. De V. Lect. (24)	Tu. Th. 12:30-1	137 B.	14 Lexington ave.
Taylor, A. S. Instr. (20)		P. & S.	152 W. 57
Taylor, H. C. Instr. (21)		P. & S.	24 W. 50
Taylor, J. W. Tutor (24)	Th. S. 11-12	610 Hm.	521 W. 123
Tenny, A. A. Tutor (23)	M. W. 2:30-3	206 L.	421 W. 118
Terry, C. T. Prof. (12)	M. Tu. Th. F. 4-4:30	412 L.	62 E. 58
Thacher, J. S. Prof. (19)		P. & S.	839 Madison ave.
Thatcher, E. Instr. (345)		T.	
Thomas, A. G. Soc. Dir. in Sp. S. (349)		Sp. S.	94 Lawrence
Thomas, C. Prof. (10)	W. F. 11-12	315 U.	430 W. 116
Thomas, C. W. Tutor (24)	M. 10-1; Tu. W. Th. 11-1	510 E.	Valley Road, Edgewater, N. J.
Thorndike, A. H. Prof. (16)	M.-F. 9-10	513 F.	205 W. 107
Thorndike, E. L. Prof. (12)	Absent on leave first half-year	T.	
Thorpe, E. O. Tr. (348)		H. M. S.	207 Dyckman
Thurber, S. W. Instr. (21)		P. & S.	104 E. 39
Thurston, E. D. Jr., Asst. (26)	Tu. Th. S. 10-11	207 E.	617 W. 113
Tilney, F. Dem. (23)		P. & S.	47 Pierrepont, Bklyn.
Todd, G. W. Clin. Asst. (27)		V. C.	225 West End ave.
Todd, H. A. Prof. (10)	M.-F. 12:30	308 W.	824 West End ave.
Tombo, R., Jr. Adj. Prof. and Alumni Secretary (14)	Tu. Th. 10-12 M. W. 2-4 Tu. Th. 3-4	*	
Toms, Elizabeth I. Sec. H. M. S. (347)		311 East 404 Mm.	401 W. 118 44 W. 128
Trent, W. P. Prof. (11)	S. 12:15-12:45	502 F.	279 W. 71
Trowbridge, C. C. Instr. (21)	Tu. W. F. 2-4; S. 9-12	401 F. 102 Hv.	432 Riverside Dr.
Tucker, S. A. Adj. Prof. (15)		305 F.	541 W. 124
Tufts, F. L. Adj. Prof. (15)	M. F. 10-11 W. 9-11	P. & S.	55 W. 49
Turnure, P. R. Instr. (21)		P. & S.	47 W. 51
Tyson, H. H. Instr. (21)			
Uhlig, W. C. Asst. (25)		516 Hv.	242 Halsted, E. Orange, N. J.
Upton, C. B. Instr. (345)(348)	Absent on leave	T.	
Upton, Mrs. S. M. Tr. (348)	Absent on leave	H. M. S.	
Valentine, Laura, Sec. and Lib. Sp. S. (349)		Sp. S.	94 Lawrence
Van Amringe, J. H. Prof. and Dean of Columbia College (8)	W. F. 1:10	208 Hm.	48 E. 26

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Van Arsdale, May B. Instr. (345) (348)		T.	457 W. 123
Van Beuren, F. T. Assoc. and Asst. (20)		P. & S.	812 Park ave.
Vanderbilt, Sadie B. Asst. (346)		T.	216 W. 103
Vander Veer, A., Jr. Clin. Asst. (27)		V. C.	34 W. 55
Van Pelt, J. V. Assoc. Dir. of Atelier (24)		333-4th ave.	126 E. 19
Van Wagenen, C. D. Clin. Asst. (27)		V. C.	15 E. 48
Van Zandt, Margaret Sup. Lib.		L.	415 W. 118
Vogel, K. M. Instr. (22)		P. & S.	80 E. 55
Voorhees, I. W. Clin. Asst. (27)		V. C.	527 W. 150
Voorhees, J. D. Adj. Prof. (17)		P. & S.	106 E. 60
Vorisek, A. Prof. (17)		Phar.	115 W. 68
Vosburgh, A. S. Instr. (22)		P. & S.	62 W. 50
Vulté, H. T. Adj. Prof. (14)	Tu. W. Th. 11-12	400 T.	33 Park ave., New Rochelle, N.Y.
Wadeldon, Helen C. Recorder (645)		421 L.	2147 Seventh ave.
Wadsworth, A. B. Assoc. (19)		P. & S.	180 W. 59
Walker, A. L. Prof. (18)	Tu. Th. F. 11-12	512 M.	Dongan Hills, S. I.
Walker, J. B. Assoc. (19)		P. & S.	33 E. 33
Ward, F. E. Organist (7)		Chapel	477 W. 140
Ware, W. R. Emer. Prof. (7)			Milton, Mass.
Warner, L. A. Instr. (345)		T.	
Warren, C. P. Instr. (21)		604 Hv.	Ridgewood, N. J.
Weeks, Mabel F. Adj. Prof. (18)	W. 11-12	136 B.	Brooks
Weick, C. W. Instr. (20) (344)		T.	507 W. 124
Weinstein, J. W. Clin. Asst. (27)		V. C.	61 E. 107
Weir, R. F. Emer. Prof. (7)			11 E. 54
Weiser, Lucy H. Tr. (348)		H. M. S.	503 W. 121
Wells, J. S. C. Adj. Prof. (15)		515 Hv.	320 W. 83
Westcott, A. F. Tutor (24)	Tu. Th. 11	608 Hm.	417 W. 121
Wetzel, R. A. Asst. (26)			
Wharton, H. M. Lect. (25)			Pennsylvania Bldg., Philadelphia, Pa.
Wheeler, Clara, Tr. (348)		H. M. S.	
Wheeler, J. R. Prof. and Act'g Dean Fac. Fine Arts (10)	M. W. 4	305 East	433 W. 117
Wheelock, Elizabeth M. Tr. (348)		H. M. S.	430 W. 118
Whipple, D. W. Asst. (26)	M.-F. 1-4	505 Hv.	822 E. 163
White, W. P. Lect. (25)			Philadelphia, Pa.
Whitley, Mary T. Tutor (345)		T.	541 W. 124
Whitman, R. Adj. Prof. (17)		P. & S.	283 Lexington ave.
Whittemore, Laura B. Tr. (345) (348)	Absent on leave	H. M. S.	

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Wilcox, H. B. Asst. (26)	P. & S.		515 Madison ave.
Wilde, Harriet Instr. (345)		T.	476 W. 152
Wile, I. S. Clin. Asst. (28)		V. C.	2493 Broadway
Williams, Blanche C. Asst. (346)		T.	Whittier
Williams, Edna L. Tr.		H. M. S.	415 W. 118
Williams, L. R. Assoc. (20)		P. & S.	711 Park ave.
Williams, P. H. Instr. (22)		P. & S.	222 W. 72
Williams, R. H. Instr. (345) (348)		T.	527 W. 124
Williams, W. R. Adj. Prof. (18)		P. & S.	Hotel San Remo
Wills, A. P. Adj. Prof. (15)	W. 3-4; F. 9-10	603 F.	417 W. 114
Wilson, E. B. Prof. (9)	M.-Th. 9:30-10:30	609 S.	468 Riverside Drive
Wilson, J. E. Asst. (26)		201 E.	54 Morningside ave. E.
Wimmer C. P. Instr. (378)		Phar.	115 W. 68
Wissler, C. Lect. (24)	F. 1-2	414 B.	457 W. 123
Wittson, A. J. Clin. Asst. (28)		V. C.	318 W. 126
Wood, F. C. Prof. (14)		P. & S.	201 W. 55
Wood, T. D. Prof. (12)	M.-F. 9-10; 2-3	157 T.	500 W. 121
Woodbridge, F. J. E. Prof. (12)	Tu. Th. 2-3	420 L.	Grove St., Peekskill, N. Y.
Woodhull, J. F. Prof. (11)	W. 11:30-12	413 T.	501 W. 120
Woodrow, H. H. Lect. (24)	M. W. F. 1-3	419 B.	Livingston
Woodruff, I. O. Asst. (25)		P. & S.	152 W. 78
Woodworth, R. S. Adj. Prof. (15)	M. W. 3	409 S.	Montrose, N. Y.
Woolman (Mrs.), Mary S. Prof. (11)	Tu. 3-4; Th. 10-10:30	332 T.	21 W. 101
Woolson, I. H. Adj. Prof. (13)	Daily 9-5	308 E.	201 Franklin, Astoria, N. Y.
Wright, Eleanor, Tr. (349)		Sp. S.	94 Lawrence
Yard, A. B. Clin. Asst. (28)		V. C.	28 W. 105
Yohannan, A. Lect. (24)	M. W. 3:10-4:10	401 W.	321 W. 118
Young, C. H. Prof. (11)	M. 2:15-4:15 Tu. 3:15-4:15	404 East	312 W. 88
Zerbe, Margaret M. Instr. (345)		T.	500 W. 121
Zinsser, H. Instr. (22)		P. & S.	101 W. 80

DIRECTORY OF STUDENTS

The italic letter following the name indicates the school in which the student is primarily registered—as follows:

<i>c</i> College	<i>pl</i> School of Political Science
<i>l</i> School of Law	<i>s</i> School of Mines, Chemistry, and Engineering
<i>m</i> School of Medicine	<i>b</i> Barnard College
<i>p</i> School of Pure Science	<i>t</i> Teachers College
<i>ph</i> School of Philosophy	<i>f a</i> Fine Arts (Architecture, Music, and Design)
	<i>phar</i> School of Pharmacy

The numbers 1, 2, 3, and 4 preceding these letters indicate the class. The abbreviation *gr* indicates a graduate student in the professional schools, *nm* a non-matriculated student.

The names of women are printed in *italics*.

"Hartley," "Livingston," "Brooks," and "Whittier" refer to the University Residence Halls.

For names of students not in Directory, see Class lists in Annual Catalogue, and for addresses consult card index in Office of Registrar.

Abbott, A. H. <i>gr t</i> 502 W. 135	Agramonte, P. H. 2 <i>s</i> 292 W. 92
Abbott, F. B. <i>ph</i> 490 Seventh, Bklyn.	Ahearn, I. J., Jr. 1 <i>c</i> 1050 Clare ave.
Abell, J. L. 4 <i>t</i> 528 W. 123	Ahearn, W. D. 1 <i>c</i> 755 Eastern Parkway, Bklyn.
Abelow, S. P. <i>pl</i> 172 Pulaski, Bklyn.	Ahlers, B. H., 1 <i>s</i> 20 S. 8th ave., Rockaway Park
Abraham, M. 4 <i>b</i> 46 W. 90	Aiguier, H. L. 3 <i>b</i> 622 Clifton ave., Newark
Abrahams, A. I. <i>nm c</i> 67 E. 93	Albertson, W. N. <i>f a</i> 619 W. 113
Abrons, H. 4 <i>m</i> 75 W. 101	Albright, V. E. <i>ph</i>
Aceves, J. 1 <i>s</i> 1878 Seventh ave.	Alden, C. E. 4 <i>t</i>
Acker, J. <i>f a</i> 2329 Seventh ave.	Alden, I. <i>p</i> Summit
Ackerman, S. B. 1 <i>l</i> 1265 Forty-ninth, Bklyn.	Alexander, A. D. 4 <i>c</i> 604 W. 114
Ackerman, S. H., Jr. 2 <i>m</i> 742 Union, Bklyn.	Alexander, C. <i>gr t</i> Livingston
Adams, A. F. <i>f a</i> 231 Ryerson, Bklyn.	Alexander, C. C. <i>ph</i> Hartley
Adams, C. M. 4 <i>t</i> 72 & 74 W. 124	Alexander, H., 2 <i>m</i> 616 River, Hoboken
Adams, C. W. <i>f a</i> 504 W. 112	Alexander, H. R. A. 1 <i>c</i> 764 St. Nicholas ave.
Adams, F. D. <i>ph</i> 415 W. 118	Alexander, L. F. 3 <i>b</i> 940 St. Nicholas ave.
Adams, F. F. <i>p</i> 184 W. 135	Alexander, R. 3 <i>t</i> 56 E. 105
Adams, P. H. 4 <i>m</i> 106 E. 70	Alexander, R. J. 1 <i>c</i> 310 W. 94
Adee, D. D. 1 <i>m</i> 1479 Metropolitan ave., Bklyn.	Alexander, S. S. 3 <i>t</i> 326 W. 83
Adelstein, M. 1 <i>c</i> 110 W. 86	Alexander, T. M. 1 <i>l</i> 764 St. Nicholas ave.
Adler, R. S. <i>f a</i> Hartley	Alford, A. E. B. 1 <i>m</i>
Adlerblum, I. S. <i>pl</i> 1656 Washington ave.	
Adlman, S. 3 <i>c</i>	

- Alkemeyer, E. H. 2 c
 8305 Twenty-second ave., Bklyn.
 Allan, A. C. 3 t Whittier
 Allen, E. L. 2 b 244 W. 104
 Allen, F. gr t 511 W. 122
 Allen, F. M. 2 s 413 W. 117
 Allen, H. B. 2 s 419 W. 115
 Allen, J. A., 1 l 102 W. 82
 Allen, S. I. 1 nm c
 348 Mill, Poughkeepsie
 Alles, R. H. ph 130 W. 123
 Alley, M. I. p 419 W. 118
 Alling, F. A. 2 m
 16 Park Place, Newark
 Allinson, May pl 411 W. 115
 Allis, M. L. pl Whittier
 Almand, H. G. fa Livingston
 Almand, J. P. fa
 1120 Amsterdam ave.
 Alminall, L. V. 1 l Hartley
 Alsop, R. D. 2 l
 96 Remsen, Bklyn.
 Altenburg, A. 2 c 2803 Third ave.
 Alterman, J. J. 4 c 135 Eighth ave.
 Amano, S. I. pl 64 E. 133
 Amend, C. G. p 33 W. 81
 Ames, J. S. 4 m 343 W. 56
 Amidon, D. E. 4 c Livingston
 Ammerman, S. L. p 823 E. 155
 Amos, F. R. ph Whittier
 Ananieff, V. P. 2 s 263 W. 112
 Anderson, A. 3 b
 197 Liberty, Long Branch
 Anderson, F. D. 1 b Haverstraw
 Anderson, H. B. 3 t 400 W. 151
 Anderson, H. H. 1 c 307 E. 158
 Anderson, L. S. 2 b 318-43, Bklyn.
 Anderson, M. P. p
 2776 Decatur ave.
 Anderson, R. H. 3 l Hartley
 Anderson, W. C. R. gr t 528 W. 123
 Anderton, W. P. 2 m
 180 Madison ave.
 Andrews, J. A. gr t 609 W. 135
 Andrews, R. C. p
 Andrews, Walter Scott, Jr. nm l
 Fifth ave., & 50
 Andrus, R. ph 417 W. 118
 Angell, M. A. 3 t 824 Dawson
 Angell, N. H. 3 c Hartley
 Annan, R. 4 s 608 W. 113
 Aoi, M. 3 t
 317 S. Broadway, Yonkers
 Appel, A. 4 c 82 E. 109
 Appel, F. J. ph 32 W. 123
 Appleby, J. R., Jr. nm c
 Leonia, N. J.
- Arai, T. gr t Whittier
 Arbus, C. M. 4 t Whittier
 Arena, J. 3 m 2070 Crotona ave.
 Arkenburgh, G. S. 4 b 233 W. 107
 Arkush, E. J. 3 s
 428 Central Park, W.
 Armitage, R. W. fa 267 W. 134
 Arms, G. T. 3 l 874 West End ave.
 Armstrong C. P. c 144 E. 37
 Armstrong, D. 4 c 144 E. 37
 Armstrong, D. B. 1 m
 Armstrong, F. T. 1 c 144 E. 37
 Armstrong, L. J. 3 t 144 E. 37
 Armstrong, T. A. 1 c
 391 Arlington ave., Bklyn.
 Arnold, F. C. gr t 277 W. 114
 Arnold, J. L. nm s
 Arnstein, W. L. 4 s 205 E. 57
 Aron, B. M. 4 b Englewood
 Aronowitz, G. 1 m
 110 Graham ave., Bklyn.
 Artmann, F. E. ph
 828 Lexington ave.
 Ascher, B. 4 s 59 Second ave.
 Aschner, P. W. 3 c
 111 Clark, Bklyn.
 Ashe, J. R. 2 m 151 W. 103
 Ashe, S. W. p 1134 Pacific, Bklyn.
 Asher, J. 2 l 400 Manhattan ave.
 Askowith, D. pl 1771 Madison ave.
 Atkinson, G. 1 c 501 W. 120
 Atwater, C. O. 4 t
 20 Portland Pl. Montclair
 Atwood, A. P. 4 t Whittier
 Auchenpauagh, E. phar
 360-92, Bklyn.
 Audet, E. F. 1 s 343 W. 23
 Auerbach, C. 3 b 304 W. 87
 Auerbach, J. G. 1 b 40 W. 77
 Auerbach, R. 3 t 686 Union ave.
 Augsburg, E. S. gr t 345 E. 15
 Augur, E. F. 4 t 549 W. 123
 Augur, V. L. 4 t 549 W. 123
 Ault, H. A. 2 l 502 W. 122
 Ault, J. P. p 409 W. 127
 Austin, K. L. 4 t 526 W. 122
 Avent, J. M. 3 t 901 Ogden
 Avery, E. I. 4 t 503 W. 121
 Avery, H. 3 t Whittier
 Avery, W. 3 c 98 2d Pl., Bklyn.
 Axman, L. H. 2 c
 321 St. Nicholas ave.
 Axt, M. C. p Port Richmond, S. I.
 Ayer, F. A. 2 s 420 W. 121
 Ayers, C. A. phar
 Ayres, D. R. 4 m Montclair
 Ayres, L. P. gr t Livingston

- Babcock, H. S. 1 s
Pelham Manor
- Babcock, T. S. 3 s 614 W. 113
- Bach, H. M. 2 s 407 W. 117
- Bachrach, S. pl 154 W. 123
- Bacó, I. B. 3 t 313 W. 117
- Bacon, H. E. ph 70 Irving Pl.
- Baer, A. gr t 114 E. 87
- Baer, Sam'l 3 s 114 E. 87
- Baffrey, V. E. 2 nm s 137 E. 50
- Bagley, J. 4 t 406 W. 124
- Bagnell, R. ph
268 Stuyvesant ave., Bklyn.
- Bagnell, R. H. 1 l
268 Stuyvesant ave., Bklyn.
- Bailey, H. 3 t Whittier
- Bailey, J. G. pl 700 Park ave.
- Bailey, M. W. 3 b 92 Fourth ave.
- Bailly, E. C. 3 l Hartley
- Bain, A. W. gr t
75 Washington ave., Grantwood
- Bains, T. M., Jr. 2 s 520 W. 123
- Baker, E. E. 3 t Whittier
- Baker, E. W. 1 m
76 Hardenbrooke ave., Jamaica
- Baker, H. D. 2 c 325 W. 108
- Baker, J. A., Jr. 2 s 314 W. 88
- Baker, Walter E. 1 c
873 Second ave.
- Balch, F. E. 4 t Whittier
- Balch, H. 4 t Whittier
- Balderston, L. R. 3 t 511 W. 122
- Baldt, L. I. 4 t 501 W. 123
- Baldwin, B. J. pl Livingston
- Baldwin, B. N. 4 t 53 Irving Pl.
- Baldwin, E. F. 4 t 140 W. 102
- Baldwin, F. W., Jr. pl 511 W. 112
- Baldwin, H. V. V. 4 s 413 W. 117
- Baldwin, L. W. 2 l Hartley
- Bamber, W. R. 4 s
844 Union, Bklyn.
- Bangs, F. N. 3 c 627 W. 115
- Bangs, G. H. 4 s 431 W. 162
- Bangs, H. McC. 3 l 35 E. 30
- Bangser, A. 3 l Livingston
- Bangser, W. 1 s Livingston
- Banks, H. P. 3 s 565 W. 113
- Banks, V. M. 4 t 417 W. 121
- Baragwanath, J. G. 4 c 619 W. 113
- Barber, F. W. 4 t 530 W. 124
- Barber, H. C. fa
191 Lefferts Pl., Bklyn.
- Barber, H. L., 4 t Whittier
- Barber, J. F. 3 l Hartley
- Barber, W. H. 4 c
210 Rodney, Bklyn.
- Barbero, G. 1 s Hartley
- Barbour, R. 3 s 11 W. 53
- Bard, H. E. gr t 421 W. 121
- Barili, A. fa 424 W. 115
- Barish, S. 3 t 1796 Clinton ave.
- Barker, H. M. 2 c 558 W. 113
- Barnard, S. pl
- Barnes, L. M. W. 4 t Whittier
- Barnes, S. R. fa 415 W. 57
- Barney, U. U. 3 m 38 E. 31
- Barnitt, J. B. 4 s Hartley
- Barnum, R. F. 3 c 616 W. 113
- Barns, S. R. 3 t 509 W. 134
- Baroff, A. 3 c 2294 Arthur ave.
- Barr, L. E. 4 t 417 W. 121
- Barrett, G. H. 3 c 257 W. 86
- Barrett, P. S. 1 m 558 W. 113
- Barrick, S. L. pl
243a Summit ave., Jersey City
- Barrows, T. 3 b 102 W. 115
- Barrows, W. 4 b 607 W. 116
- Barrows, W. L. p 62 Maple ave.,
Greenwich, Conn.
- Bartlett, C. A. 3 t Whittier
- Bartley, B. H. fa 372 W. 35
- Basch, A. B. 1 c 424 E. 58
- Basch, E. A. p 275 W. 145
- Bashford, H. 3 t
119 Warburton ave., Yonkers
- Bassel, M. 3 t Whittier
- Bassmann, G. E. ph 511 E. 119
- Bastanchury, G. A. p Hartley
- Batchelor, C. B. gr t
Y. M. C. A., Plainfield
- Batt, R. M. 3 t Hartley
- Batterton, F. P. nm b 315 W. 97
- Battle, J. A., Jr. 4 s 616 W. 116
- Baum, A. L. 4 c 252 W. 128
- Baumann, O. I. 3 m 336 E. 72
- Baumeister, P. A. 2 s
402 Amity, Flushing
- Baumer, H. P. 2 l
74 and Columbus ave.
- Baumerl, C. 4 t 815 Park ave.
- Baxter, E. P. 4 t Highwood, N. J.
- Baxter, R. W. ph Chelsea Sq.
- Beach, K. D. pl 700 Park ave.
- Beadle, Jno. B. 1 s Livingston
- Beal, G. D. p 418 W. 118
- Bean, F. L. phar 64 W. 91
- Bean, L. B. gr t
87 Richm'd ave., Port Richmond
- Bean, S. A. ph
- Beard, J. T., Jr. 3 c 423 W. 118
- Beard, J. W. 1 m
- Beck, D. 2 m 9 E. 112
- Beck, S. 3 m 19 Montgomery
- Becker, B. M. 4 t 254 W. 98

- Becker, G. J. 700 Park ave.
 Beckwith, M. W. *ph* 425 W. 118
 Bedell, Mrs. S. G. *f a* 862 Cauldwell ave.
 997 Greene ave., Bklyn.
 Bedford, C. O. *nm s* 423 W. 118
 Bedford, H. E., Jr. *1 l* 798 Tremont ave.
 117 Gates ave., Bklyn.
 Beecher, H. C. *3 t* 283 Wallabout, Bklyn.
 Beeckman, F. L. *pl* 141 W. 104
 Beegle, M. P. *4 t* 209 E. 23
 Beekman, B. *4 b* 166 W. 129
 Beers, E. A. *3 t* 81 Shelton ave., Jamaica
 Beggs, G. E. *3 s* Livingston
 Beirne, W. B. P. F. *nm c* 504 W. 158
 Belden, F. M. *1 m* 272 Clinton ave., Bklyn.
 Belinkoff, S. *4 t* 574 Ave C, Bayonne
 Belknap, W. B. *1 s* 204 W. 83
 Bell, H. K. *3 m* 305 Barclay, Flushing
 Bell, J. E. *1 s* 165 W. 130
 Bell, J. N. *3 t* 503 W. 140
 Bell, S. E. *3 t* Whittier
 Bell, S. M. *l* 618 W. 113
 Bell, T. S. *pl* Hartley
 Beller, A. J. *3 m* 133 E. 97
 Bellinger, C. C. *3 t* 530 W. 123
 Bellinger, F. *f a* 50 Morningside ave. W.
 Bender, S. *2 c* 291 Stuyvesant ave., Bklyn.
 Bender, T. *3 m* 76 Jasper, Paterson
 Bendick, A. J. *4 m* Stapleton
 Benedict, M. E. *3 t* 606 Madison ave., Plainfield
 Benedict, R. C. *p* 2427 Lorillard Pl.
 Benedict, V. *3 s* 523 W. 152
 Benitez, F. *3 t* 524 W. 123
 Benjamin, C. T. *gr t* Bard ave., W. New Brighton
 Bennett, A. F. *3 t* 317 W. 119
 Bennett, A. L. *2 b* Brooks
 Bennett, B. F., Jr. *4 s* Hartley
 Bennett, C. R. *gr t* 527 W. 124
 Bennett, L. M. *3 t* 527 W. 124
 Bennett, R. V. *2 c* 619 W. 113
 Benson, C. D. *2 s* 255 W. 101
 Benson, L. W. *4 t* 418 W. 118
 Benton, N. K. *4 m*
 Bergamini, J. V. *W. f a* 252-67, Bklyn.
 Bergamini, R. *ph* 55 W. 9
 Berger, H. V. *nm b* Park Avenue Hotel
 Bergman, H. *p* 68 E. 122
 Berinstein, B. *3 c* 862 Cauldwell ave.
 Berkowitz, H. *2 c*
 Berkowitz, L. *ph* 798 Tremont ave.
 283 Wallabout, Bklyn.
 Berliner, L. H. *2 l* 234 W. 139
 Bernard, F. E. *pl* Chelsea Sq.
 Bernard, U. M. *4 b* 607 W. 116
 Bernfeld, L. M. *4 s* 28 W. 118
 Bernkopf, A. E. *4 t* 503 W. 121
 Bernkopf, B. M. *4 t* 223 W. 138
 Berrian, G. *1 b* Spuyten Duyvil
 Berry, H. B. *gr t* Earl Hall
 Berry, J. S. *3 t* Whittier
 Bertrand, H. *1 c* 610 W. 111
 Berwin, H. *4 t* Whittier
 Bessie, A. *2 m* 542 W. 124
 Best, H. *pl* 476 W. 152
 Bettelheim, E. S., Jr., *2 s* 504 W. 112
 Betts, C. E. *1 nm s* Westport, Conn.
 Bevan, W. L. *ph* Livingston
 Bevier, L. *3 l* 244 W. 104
 Beyer, B. J. *ph* 20 Norfolk
 Beyer, W. A. L. *pl* 520 W. 123
 Bibby, H. L. *3 m* Belle Vista, Patterson
 Bidstrup, E. *3 t*
 Bieber, P. D. *2 c* 383 E. 8
 Bierman, Henry *ph* 431 E. 85
 Bijur, H. *1 l* 160 W. 75
 Billingsley, P. *p* 446 Macon, Bklyn.
 Birch, P. H. *nm s* 380 Riverside Drive
 Birdsong, N. W. *nm t* 421 W. 117
 Bisch, L. E. *2 m* Livingston
 Bishop, F. A. *2 b* 500 W. 122
 Bishop, F. W. *1 m* 202 W. 103
 Bishop, M. L. *p* 156 Halsey, Bklyn.
 Bishop, S. H. *2 c* 127 W. 30
 Bissell, C. H. *1 l* 327 W. 89
 Bissell, K. McL. *ph* 327 W. 89
 Bissell, L. G. *2 l* Livingston
 Bissell, P. St. G., Jr., *4 c* Freeport, L. I.
 Blaber, J. T. A. X *2 c* 203-18, Bklyn.
 Blaber, M. P. *3 m* 203-18, Bklyn.
 Black, H. *1 b* 49 Wyckoff ave., Richmond Hill
 Black, H. S. *3 s* 63 Franklin ave., New Rochelle

Black, L. M. 2 l
376 McDonough, Bklyn.
Blackman, J. C. pl 700 Park Ave.
Blackwood, W. C. 4 s
404 St. Nicholas ave.
Blaesius, L. nm t 807 E. 180
Blair, A. 3 t Whittier
Blair, A. E. 4 t Whittier
Blake, C. D. 3 t 510 W. 124
Blake, E. H. 3301 B'way
Blake, E. W. phar 104 W. 77
Blakey, L. S. pl Livingston
Blanchard, H. F. 1 s
1818 Topping ave.
Blanchard, R. C. p Livingston
Blanchet, J. L. 4 c 20 Simonson
ave., Port Richmond
Blanco, A. phar Hartley
Bleier, E. 1 m 915 Prospect ave.
Blinn, O. S. 4 c
496 Jefferson ave., Bklyn.
Bliss, E. F. 4 s 135 E. 49
Bloch, Harry, 2 c 12 E. 97
Bloch, S. 2 b 552 W. 161
Block, A. P. 4 m 87 W. 119
Block, M. 3 c
848 Greene ave., Bklyn.
Block, S. ph
848 Greene ave., Bklyn.
Blodgett, C. E. 4 t Whittier
Blodgett, E. nm t
1046 Amsterdam ave.
Blohns, A. ph Livingston
Bloom, I. gr t 215 E. 5
Blount, I. M. 1 b Brooks
Blow, G. A. 4 nm s Livingston
Bluhm, J. gr t 25 E. 124
Blum, H. 4 m
20 Church, New Brunswick
Blum, J. 3 m 1380 Prospect ave.
Blumberg, H. p
268 Stockton, Bklyn.
Blumborg, I. B. 2 c 113-2
Blume, R. L. phar
100 Lexington ave.
Blumenfeld, R. 3 s 11 W. 82
Blumenstock, J. gr t
538a Willoughby ave., Bklyn.
Blumenthal, A. S. nm s
240 W. 102
Blumenthal, I. 3 t 124 E. 84
Blumgarten, S. L. 1 b
550 Ave. A, Bayonne
Boas, E. P. 2 c Grantwood, N. J.
Boas, H. M. 4 b
Franklin ave., Grantwood, N. J.
Boas, P. E. 1 c 10 W. 88.

Boegehold, H. L. 1 b
120 N. 6 ave., Mt. Vernon
de Boer, J. m ph
153 Riverdale ave., Yonkers
Bogenrief, M. M. 4 t
503-507 W. 121
Boggs, W. D. 3 m 186-17, Bklyn.
Bohan, Lena, 3 b Brooks
Bohn, F. pl Hartley
Boils, B. pl 181 Claremont ave.
Boisen, A. T. pl 700 Park ave.
Bokshitzky, I. 2 b
381 Kosciuszko, Bklyn.
Bond, H. M. 1 s Livingston
Bonestell, C. K. Jr., 1 a 608 W. 113
Bonfils, G. A. 3 b
147 Union ave., Jamaica
Bonnard, A. Y. 3 t
92 Prospect, Passaic
Bonnard, J. E. 3 t
92 Prospect, Passaic
Bonner, R. O. 4 s Livingston
Bonnlander, V. C. gr t
1509 De Kalb ave., Bklyn.
Bonsall, U. F. ph Livingston
Boorman, K. M. 3 s 633 W. 148
Booth, E. 1 b 504 W. 130
Borchardt, A. H. 4 s
1330 Pacific, Bklyn.
Borchardt, E. M. pl 352 E. 124
Borchardt, G. S. 1 b 352 E. 124
Borland, M. nm b 116 E. 37
Born, S. 3 s 320 W. 139
Bortone, F. 1 m
Bosch, E. 1 c 901 Grant ave.
Bosch, J. A. 2 b 660 E. 163
Bothwell, J. S. 4 t
Botsford, M. R. 3 t
285 St. Nicholas ave.
Bouillon, J. H. 1 c 229 Lenox ave.
Bourn, A. O., Jr. pl Hartley
Bouton, R. M. 1 c
89 Danforth ave., Jersey City
Bowers, F. T. 2 c
650 Kosciuszko, Bklyn.
Bowers, W. C. pl
Bowes, C. M. 3 s 404 W. 116
Bowman, K. H. 2 c
Montclair, N. J.
Boyd, L. C. 3 t 537 W. 123
Boyd, M. A. 4 b
Jessup Pl., High Bridge
Boyle, A. C., Jr. p 439 W. 123
Bradbeer, H. E. 2 b
149 E. Lincoln ave., Mt. Vernon
Bradley, C. E. 3 s
11 Duncan ave., Jersey City

- Bradshaw, W. M. 4 m 55 E. 72
 Brady, E. S. 4 t 88 Day St., Orange
 Braender, W. P. 2 s 558 W. 113
 Brainerd, H. B. 4 c 135 E. 30
 Brainin, C. S. p 1851 Madison ave.
 Brainin, E. ph 1851 Madison ave.
 Brambach, A. 1 s
 Bramwell, G. M. 2 c 116 & Riverside Drive
 Brandley, W. G. 2 l Hartley
 Brandt, R. C. 2 c 407 Washington ave., Bklyn.
 Branner, J. K. f a Livingston
 Brasher, M. 3 t Whittier
 Breck, E. L. nm b 231 E. 17
 Breck, W. R. 4 c 125 Wadsworth ave.
 Brehant, E. pl 419 W. 121
 Brehant, M. E. ph 419 W. 121
 Breitenbach, J. M. phar 1136 Madison ave.
 Breitenfeld, E. 1 c 221 E. 68
 Breitwieser, J. V. ph
 Brennan, M. M. 1 b Wadsworth Hall, Arrochar, S. I.
 Brenner, A. B. 1 c 252 Carroll, Bklyn.
 Brenner, M. 3 c 252 Carroll, Bklyn.
 Brenner, S. f a 107 Second ave.
 Brenster, R. K. 3 s 615 W. 147
 Bressler, H. B. ph 158 Second ave., L. I. City
 Brett, A. 3 t 104 Madison ave., Flushing
 Brett, E. M. 3 t 104 Madison ave., Flushing
 Brett, G. M. p 266 Hartley
 Brettell, C. 2 s 63 E. 128
 Brewer, M. D. 4 t Whittier
 Brewster, J. A. ph 17 Lexington ave.
 Bridgeman, L. W. 4 s 278 Lockwood, Astoria
 Briggs, A. B. 4 t 46 Park Place, E. Orange
 Briggs, B. I. 4 t Whittier
 Briggs, R. W. 2 s 1718 Melville, Van Nest
 Brigham, L. Ward pl 616 E. 17, Bklyn.
 Bright, M. S. 3 t Whittier
 Brill, A. ph 391 E. 157
 Brill, I. C. 1 c 259 W. 122
 Brim, C. 1 m 46 Walker
 Bristol, H. K. 1 b 616 W. 116
 Bristol, H. P. 1 s 144 Quincy, Bklyn.
 Brittain, J. B. 3 c 531 W. 113
 Brizzolara, J. 1 l Livingston
 Brock, R. E. 2 c 616 W. 113
 Broderick, E. V. 1 c 31 Vineyard ave., Yonkers
 Broe, A. L. 3 s 214 E. 61
 Brogan, J. F. nm l Livingston
 Broockmann, O. W. E. 1 s Church, Richmond Hill
 Brooke, F. D. 3 t Whittier
 Brookman, T. A. gr t 288 E. 10
 Brooks, A. 3 t 20 W. 17
 Brooks, H. B. 4 t Whittier
 Brooks (Mrs.), M. L. H. 3 t Whittier
 Brophy, P. F. 4 s Livingston
 Brown, B. E. 4 t 235 W. 108
 Brown, C. 4 t Whittier
 Brown, C. B. 3 s 301 W. 108
 Brown, F. L. 3 m 231 W. 69
 Brown, F. M. nm t Whittier
 Brown, G. L. 4 t 419 W. 121
 Brown, H. 2 b Brooks
 Brown, H. M. 4 t Whittier
 Brown, J. 2 b 94 Shelton ave., Jamaica
 Brown, J. F. gr t 223 W. 122
 Brown, L. A. 4 c 1838 Madison ave.
 Brown, M. A. nm b 56 Munn ave., E. Orange
 Brown, P. 2 b 12 W. 107
 Brown, R. S. 3 c 216-3, Jersey City
 Brown, T. E. 1 s 301 W. 108
 Brown, W. H., Jr. 4 c 102 W. 93
 Browne, K. C. 3 s 1235 Tinton ave.
 Browne, M. E. p 1530 Pacific, Bklyn.
 Browne, T. Q., Jr. p Morristown
 Brownell, M. 2 c 423 W. 118
 Browning, C. P. 1 s Hartley
 Browning, T. 2 b Brooks
 Brubaker, M. H. 1 l Livingston
 Bruckheimer, R. M. 2 m 22 Mt. Morris Park, W.
 Bruère, A. H. gr t 156 W. 83
 Brummer, H. M. 1 c 1261 Madison ave.
 Brundage, H. D. 3 t 2146 Honeywell ave.
 Brune, C. M. pl 419 W. 115
 Brunel, B. E. 3 t 501 W. 122
 Bruning, E. E. M. 2 b 317-73, Bklyn.
 Bruno, A. 2 c 1249 Amsterdam ave.

Bruns, C. L., Jr. 4 s
2649 Broadway
Brush, H. M. 1 l Hartley
Bryan, E. H. 3 t Maywood, N. J.
Bryant, H. W. gr t
272 Lewis ave., Bklyn.
Bryden, C. L. p 519 W. 123
Buchbinder, H. E. p 71 E. 109
Bucher, M. E. ph
33 Third, Weehawken
Buchner, C. J. 3 l
789 Willoughby ave., Bklyn.
Buchtenkirch, W. E. 2 s 228 E. 31
Buckingham, B. R. gr t
46 Charles pl., Elmhurst
Buckisch, W. G. 3 c
595 E. 7, Bklyn.
Buckley, K. R. ph 12 W. 98
Budinich, J. 143 W. 117
Budds, M. H. pl 154 W. 105
Buemming, C. A. 4 t
95 Cornelia, Bklyn.
Bugbee, E. 4 b 431 W. 121
Bulkley, K. 4 m 531 Madison ave.
Bullis, J. 3 t 403 W. 115
Bullwinkel, E. J. 1 c
533 Washington ave., Bklyn.
Bunning, E. ph
576 St. Mary's, Bronx
Bunzel, B. 1 b 111 E. 78
Burch, E. T. 3 t Whittier
Burger, F. 3 b
1602 Eastern Parkway, Bklyn.
Burgess, J. S. pl 700 Park ave.
Burgin, M. W. 3 t 161 W. 103
Burke, A. M. 2 b Brooks
Burke, E. P. 2 s Livingston
Burkholder, H. 1 b
716 Lafayette ave., Bklyn.
Burnap, S. R. 4 m 301 W. 109
Burne, E. 2 b Douglaston, N. Y.
Burnet, A. A. gr t 505 W. 124
Burnett, M. 4 t 415 W. 118
Burnham, M. T. 4 t 537 W. 123
Burnham, R. W. p
1801 Dorchester Road, Bklyn.
Burns, E. C. 2 b
162 Eighth ave., Bklyn.
Burns, R. A. 2 b
27 Sound View, Port Chester
Burr, E. T. 2 b
Burr, M. ph 218 E. 17
Burt, H. A. 3 t 417 W. 114
Burton, E. ph 93 Hamilton Pl.
Busch, E. A. gr t Whittier
Buschmann, F. E. 3 t Whittier
Buseck, L. 3 t 82 Maple, Passaic

Bush, M. L. ph
167 Joralemon St., Bklyn.
Bushong, A. M. ph 442-9, Bklyn.
Bussey, G. C. ph
112 Claremont ave., Mt. Vernon
Butcher, W. F. 1 s 252 W. 12
Butler, B. T. p
Butler, H. R. 3 t 346 W. 71
Butler, M. E. 3 t 346 W. 71
Butler, M. H. 4 t
Butler, P. pl 700 Park ave.
Byard, J. K. 1 l 155 E. 70
Byers, W. E. 1 l 520 W. 123
Bykowsky, H. E. phar 131 W. 70
Bynon, H. C. 3 t
1264 Amsterdam ave.
Byrne, S. M. J. ph
College of St. Elizabeth, Convent
Station, N. J.
Cabarrocas-Ayala, F. f a
145 W. 14
Cacicedo, Luis, 2 s
1161 Amsterdam ave.
Cahill, M. F. 3 t
10 Beekman Pl.
Cahn, P. 1 b 200 Riverside Dr.
Calahan, H. A. 1 c
215 Cumberland, Bklyn.
Calhoun, O. G. O. 1 l Livingston
Callan, A. M. 2 b 816 E. 176
Calman, D. nm b 127 W. 81
Calvin, M. J. gr t 507 W. 124
Cameron, W. S. p 239 W. 136
Campbell, B. 3 t 348 E. 141
Campbell, F. W. 4 m
288 Union ave., Bklyn.
Campbell, L. L. 2 l Livingston
Campbell, M. A. gr t
289 Arlington ave., Jersey City
Campbell, S. E. 4 t Whittier
Campbell, R. 5 W. 125
Campus, E. 3 m 64 Delancey
Canaday, W. M. ph Hartley
Cann, B. ph 170-172 Hicks, Bklyn.
Cannon, G. L. p 1786 Clay ave.
Capablanca, J. R. 2 s Hartley
Caplow, S. N. 3 t 73 E. 109
Capoport, D. pl 523 W. 152
Capo-Rodriguez, P. nm l
514 W. 125
Cappetta, V. C. phar
Shore Rd., Sheepshead
Carber, G. B. c 558 W. 113
Cardozo, D. 2 c 377 W. 70
Cardozo, S. B. 3 c 337 W. 70
Carlebach, W. M. p 136 W. 86

- Carlisle, H. C. 3 s
 Rochelle Park, New Rochelle
Carlson, H. L. 3 t 608 W. 135
 Carpenter, W. M. 4 s 253 W. 100
 Carpentier, M. A. ph 75 W. 94
 Carples, V. H. 3 s 108 W. 141
 Carr, H. L. 3 s 616 W. 113
 Carr, J. W. gr t 223 W. 122
 Carrier, R. W. pl 416 W. 118
 Carris, L. H. gr t 898 S. 17, Newark
Carroll, A. L. 4 b 178 W. 88
 Carroll, C. R. 4 c 178 W. 88
Carroll, R. 2 b Brooks
 Carruth, H. P. C. 1 c
 524 Riverside Drive
Carse, E. gr t 129 E. 30
Carter, E. B. pl Whittier
 Carter, F. H. 1 m
Carter, G. E. 3 t 72 W. 124
 Carton, M. c 137 Amsterdam ave.
 Carton, W. A. 3 c 850 Third ave.
 Caruso, C. W. 2 c
 142 Seventh ave., Newark
Case, R. C. 1 b Brooks
 Casey, J. F. 4 m
 New London, Conn.
Casey, M. A. gr t 174 E. 82
 Cassasa, C. S. B. 1 m
 46 East ave., Long Island City
Cassebeer, E. M. 4 b
 287 Madison, Bklyn.
Cassel, T. 2 b 1976 Madison ave.
 Castell, G. O. 2 c 618 W. 136
 Caswell, E. T. 2 s
 7 Toledo ave., Elmhurst, N. Y.
 Catlin, R. W. f a
 207 Greene ave., Bklyn.
 Catlin, W. B. pl Livingston
Cable, L. A. 4 t 403 W. 115
 Cella, C. D. 2 l
 206 Hudson, Hoboken
 Celler, E. 3 c
 838 Greene ave., Bklyn.
Cerow, G. A. 1 b 503 W. 175
 Cerussi, B. P. 4 s
 554 Courtland ave.
 Chamberlain, C. W. p
 Fayerweather
 Chamberlin, E. C. nm s
 925 St. Nicholas ave.
 Chambers, F. W. 3 l 417 W. 117
 Chambers, R. N. pl
 1120 Amsterdam ave.
 Chanalís, M. N. 4 c
Chapin, E. K. nm t 319 W. 57
 Chapin, F. S. 4 c
 Belle Harbor, Rockaway Beach
 Chapin, H. E. 2 l 623 W. 142
 Chapin, J. 3 c 623 W. 142
Chapman, F. B. f a 627 W. 115
Chapman, M. M. 3 t Whittier
 Charleston, J. ph 49 Forsyth
 Chatfield, G. H. 3 t 19 W. 106
 Chatfield, W. A. 3 t 106 W. 105
 Chen, H. C. pl Hartley
 Chen, W. F. p Livingston
 Cheney, C. O. 2 m 1215 Vyse ave.
 Cheney, G. W. 4 t
 38 Morrisonside ave., Yonkers
 Chenoweth, I. S. pl 700 Park ave.
 Cherry, W. A., Jr. 1 s
 67 Waller ave., White Plains
 Cherry, W. H. 2 l Livingston
 Chertoff, I. ph 109 W. 106
Chester, E. S. 3 t
 Chidley, H. J. 700 Park ave.
 Child, A. M. Jr. 4 c 169 Franklin
 Child, F. S. Jr. 4 m Hospital
 for Ruptured and Crippled
 Childs, H. F. nm c 431 W. 121
Childs, R. 3 b 68 W. 119
 Childs, S. H. 2 c
 362 Riverside Drive
 Chilian, S. A. 2 m 1238 Third ave.
Chiltan, C. M. 1 b 209 W. 108
 Chiltick, V. L. O. ph Hartley
 Chmcluisi, H. 1 l
 Chodack, H. T. 1 m 137 Broome
 Chotzinoff, S. f a 217 Henry
 Chow, T. H. pl 522 W. 123
 Chrislip, A. E. C. ph 419 W. 121
Chrisman, M. B. 3 t Whittier
Christian, A. M. f a 222 W. 59
Christianson, A. O. 3 t 445 W. 21
 Church, E. C. 2 l 4 E. 130
 Church, I. W. 1 l Livingston
 Churchill, F. C. 1 l 505 W. 122
 Chute, S. J. 1 s 635-11, Bklyn.
 Claghorn, J. L. 1 s Hartley
 Claiborne, R. 1 s 226 E. 60
Clapp, E. R. ph Brooks
 Clapp, L. R. 3 s 419 W. 115
Clarihew, M. 1 b
 Woodcliff-on-Hudson, N. J.
Clark, A. M. 4 t 418 W. 118
 Clark, C. M. 3 c 568 W. 173
 Clark, Dana L. f a Livingston
 Clark, E. D. p 401 W. 117
 Clark, J. H. f a Hartley
Clark, L. M. 4 t Leonia, N. J.
 Clark, S. M. 2 s
 427 Franklin ave., Bklyn.
 Clarke, J. 1 s 49 Garden Pl., Bklyn.
 Clemans, E. G. 1 l Livingston

Clement, A. A. 2 b 467 W. 163
 Clements, L. E. 3 t Whittier
 Clemson, W. E. 3 s
 45 Fulton, Newark
 Clewe, J. F. E. gr t Livingston
 Clinch, H. T. f a 133 W. 121
 Close, B. W. f a
 248 Hancock, Bklyn.
 Closson, L. W. nm b
 99 Cleveland, Orange
 Cloughen, J., Jr. 1 s
 292 Convent ave.
 Cloyd, G. ph 417 W. 120
 Clyne, H. H. 1 c 135 Hamilton Pl.
 Coandall, L. S. c 540 W. 146
 Cobb, J. L. 2 m 346 W. 57
 Cobb, W. F. 2 m 5 W. 125
 Cobden, R., Jr. 2 s
 116 and Riverside Drive
 Coble, J. A. 4 t 511 W. 122
 Cocco, M. A. 1 s 427 Convent ave.
 Cochran, J. I. 4 b 120 W. 12
 Cochran, E. M. nm b
 137 Rich ave., Mt. Vernon
 Coc, A. B. nm t Whittier
 Coffin, G. 1 b 156 W. 58
 Coffin, S. A. 1 c 156 W. 58
 Cohen, H. gr t 22 E. 112
 Cohen, H. A. 3 m 143 W. 111
 Cohen, H. H. 1 c 43 W. 87
 Cohen, H. L. ph 38 W. 93
 Cohen, I. 4 c Anderson ave. and 165
 Cohen, J. H. 3 c 43 W. 87
 Cohen, L. 1 b 73 W. 30, Bayonne
 Cohen, P. 1 c 171 Norfolk
 Cohen, S. nm c 1322 Madison ave.
 Cohen, S. 3 m 507 W. 157
 Cohen, S. M. 3 c 18 E. 110
 Cohn-McMaster, A. M. 4 c
 2018 Fifth ave.
 Cohn, E. 4 t 1171 Park ave.
 Cohn, H. 4 s 108 E. 87
 Cohn, L. B. ph 736 Home
 Cohn, S. 4 m 2051 Belmont ave.
 Colas, N. 2 s 134 W. 64
 Cole, A. B. 2 s 100 Montclair ave.,
 Montclair, N. J.
 Cole, A. E. phar 104 W. 77
 Cole, H. T. 2 s 520 W. 123
 Cole, P. G. 3 m 328 W. 57
 Coleman, I. L. 3 t 558 W. 184
 Coleman, J. G. gr t
 617 Bloomfield, Hoboken
 Coleman, K. R. 3 t
 859 Lexington ave.
 Coleman, Mc A. 4 nm c 167 W. 73
 Collica, S. 1 m 172 W. Houston

Colton, F. H. nm c 612 W. 116
 Colton, R. 2 c 554 W. 113
 Combes, A. C., Jr. 2 m
 20 Elmhurst ave., Elmhurst, L. J.
 Compton, A. D. ph 40 W. 126
 Compton, G. B. 4 c
 181 Claremont ave.
 Comstock, G. F. 4 s
 125 Riverside Drive
 Comstock, P. S. 1 s
 31 Lincoln Road, Bklyn.
 Conant, E. E. ph 332 W. 58
 Condict, A. S. 2 s
 60 Willow, Bklyn.
 Condit, J. R. p Whittier
 Coney, S. T. 3 t
 154 Highland ave., Orange
 Conger, G. P. pl 700 Park ave.
 Conkey, O. F. 1 m
 Conklin, M. J. nm t 419 W. 121
 Conklin, R. S. 1 l Newburgh
 Connell, J. W. ph
 16 Lenox Road, Bklyn.
 Conroy, M. S. 2 b
 13 Townsend ave., Clifton, S. I.
 Content, H. A. 4 c Hartley
 Conway, J. A. 1 c
 65 Halsey, Astoria
 Conway, M. M. 3 t
 Pommer ave., Tompkinsville
 Cooder, C. M. 2 l Livingston
 Cook, E. C. gr t 51 W. 106
 Cook, E. C. ph Whittier
 Cook, E. H. 1 s 520 W. 123
 Cook, F. H. 3 t
 5415-14 ave., Bklyn.
 Cook, H. J. p 304 W. 99
 Cook, H. M. gr t 519 W. 135
 Cookingham, B. A. 3 t 254 W. 135
 Coombs, H. C. 2 b
 312 S. B'way, Yonkers
 Cooper, F. S. 3 c
 Cooper, J. R. 3 s 325 Convent ave.
 Copeland, R. 4 c
 628 Washington ave., Bklyn.
 Coplan, N. 2 l Livingston
 Coplin, M. ph Whittier
 Corbett, F. J. 1 l 67 E. 123
 Corbett, J. S. 4 t 915 Forest ave.
 Corbin, A. M. 4 t 549 W. 123
 Cordovez, C. 2 s
 Broadway and 142
 Cornish, S. D. phar 328 W. 56
 Cornwall, H. F. 1 s Hartley
 Corsa, H. P. 2 s 209 W. 108
 Corser, J. 3 t Whittier
 Corson, L. ph Hartley

- Cortés, E. 3 t 155 Worth
 Cosmus, K. A. j a 119 E. 31
 Coss, J. J. ph 700 Park ave.
 Costigan, G. M. nm t
 203 W. 87
 Coston, L. A. 2 b Brooks
 Corts, F. Lester p 319 W. 134
 Couch, V. F. m 125 Lexington ave.
 Coulter, C. B. 1 m Livingston
 Counselman, T. B. 3 s 616 W. 113
 Covello, L. 2 c 316 E. 113
 Cowherd, J. B. 4 m
 Coyle, C. V. 4 t Whittier
 Coyle, M. B. T. 1 b 457 W. 123
 Coyne, M. A. 4 t
 100 North Broadway, Yonkers
 Craddock, C. E. 1 b 420 W. 121
 Craig, P. G. ph Hartley
 Crampton Mrs. H. E. nm b
 201 W. 122
 Crandall, J. W. 2 l 423 W. 118
 Crandell, H. H. 2 b Hempstead
 Crane, E. E. 4 t
 23 Locust, Flushing
 Crane, W. R. 1 m
 Crawford, C. E. p 500 W. 122
 Creighton, E. 4 t Whittier
 Cressey, E. M. 4 t
 510 Summer ave., Newark
 Crew, C. 4 s Hartley
 Criado, R. F. 4 nm c 616 W. 116
 Crigler, N. B. 4 t
 72 Morningside ave. E.
 Crisman, B. M. 3 t Whittier
 Crittenden, B. P. C. nm c
 18 Poplar Pl., New Rochelle
 Cronyn, T. pl Hartley
 Crooker, F. F. gr t 50 W. 126
 Crooks, Nellie 4 t 416 W. 118
 Cropsey, F. B. 3 t
 237-82, Bklyn.
 Crosby, C. F. 3 b 3136 Hull ave.
 Crossman, H. L. 3 b
 105 Clinton ave., Jamaica
 Crouze, A. P. 1 m Bayside, L. I.
 Crowley, D. J. 1 s
 Culman, F. 1 c 476 W. 143
 Culver, M. L. 4 t 404 W. 115
 Cuno, C. H. 2 s Livingston
 Carrier, H. J. 2 b 330 W. 28
 Curtice, R. S. 1 l Hartley
 Curtis, A. L. pl 700 Park ave.
 Curtis, C. D. ph 307 Fifth ave.
 Curtiss, I. nm t
 Cusack, G. C. 1 b
 611 Putnam ave., Bklyn.
 Cushing, R. A. 1 c 59 E. 126
 Cutler, C. W., Jr. 3 c 135 W. 76
 Cutler, W. W. 4 s 523 W. 113
 Cutting, V. W. 4 c 417 W. 117
 Dahman, W. W. 1 s
 1670 Woodhaven ave., Woodhaven
 Dailey, F. A. 4 t
 138 Engle, Englewood
 Dakin, C. H. 1 b
 50 Harrison ave., Port Richmond
 Dalglish, I. L. 1 b
 9 Spring, Stamford
 Danehy, Geo. W. 4 s
 1824 Anthony ave.
 Danforth, C. R. 3 c 158 W. 86
 Daniels, C. W. 4 s Hartley
 Daniels, M. H. 3 s 35 W. 111
 Dann, H. M. ph
 287 Rutland Road, Bklyn.
 Dann, M. E. 4 b
 223 Berkeley ave, Bloomfield
 Darlington, C. P. 1 s 48 W. 59
 Darlington, H. V. B. 3 c
 48 W. 39
 Davenport, F. I. gr t 417 W. 114
 Davidowitz, H. S. 3 c 236 Cherry
 Davidow, L. H. 2 c 55 W. 87
 Davidson, G. 3 t 43 W. 129
 Davidson, I. M. 1 c
 Davidson, M. E. S. 3 t
 91 Liberty Place, Weehawken
 Davies, H. L. 4 b 509 W. 112
 Davies, T. (Revd.), ph 422 W. 20
 Davimos, Harry, 3 c
 236 Harrison ave., Harrison
 Davis, A. pl Whittier
 Davis, A. E. p 130 W. 104
 Davis, D. W. pl Madison
 Davis, E. B. pl 700 Park ave.
 Davis, E. L. ph
 Davis, E. R. 3 t Whittier
 Davis, F. R. 3 s 200 W. 107
 Davis, H. L. 3 t 226 W. 123
 Davis, S. C., Jr. phar 109 W. 64
 Davis, T. J. 3 s 700 West End ave.
 Davis, W. O. pl 700 Park ave.
 Dawkins, S. M. nm 194 Lawrence
 Day, A. H. ph 28 Fifth ave.
 Deacan, E. M. 1 b 502 W. 143
 Deacy, Wm. H. 4 c
 Ossining-on-Hudson
 de Agüero, M. E., Jr. 1 c 294 W 92
 Dean, F. 1 l Stamford, Conn.
 Dean, H. A. 3 b 607 W. 116
 Dean, H. C. f a 12 W. 107
 Debon, A. J. 2 m 100 W. 54
 Debouy, C. K. 3 b 120 E. 53

Decker, A. S. 3 t 503 W. 122
 De Cou, N. M. ph
 900 Bergen ave., Jersey City
 Deevay, E. S. 4 t Livingston
 de Diferapolis, G. S., Jr. 3 s
 356 W. 145
 Degavre, M. L. 2 c Hartley
 Deiser, N. A. 2 s
 201 Keap, Bklyn.
 de Jongh, A. F. 3 s 95 W. 119
 de Lagerberg, L. G. f a
 70 Park ave., Passaic
 Delano, J. A. pl 430 W. 118
 De Lano, S. A. 1 s
 116 Riverside Drive
 Delehanty, A. M. 1 s 253 W. 111
 Dellenbaugh, F. S., Jr. 3 s
 224 W. 52
 Demarest, C. C. ph
 54 Essex, Hackensack
 Demarest, M. C. 4 b
 Nanuet, N. Y.
 De Martini, T. B. pl 403 W. 115
 Demcott, O. M. pl 700 Park ave.
 Dement, L. W. 4 t Whittier
 Demorest, W. J. 2 s 173 W. 93
 Dempsey, F. 3 t
 301 St. Nicholas ave.
 Dempsey, J. A. V. 4 b
 467-55, Bklyn.
 Deneen, L. L. 3 t Whittier
 Denike, A. M. 2 b
 22 Hamilton Terrace
 Denison, E. M. ph
 15 Overlook Terrace, Yonkers
 Denison, I. N. 4 t Whittier
 Denmead, D. H. pl Hartley
 Dennis, O. W. p Whittier
 Denslow, L. S. 1 l Hartley
 Denton, Emma, 4 t Whittier
 De Passe, A. B. 2 m 506 E. 165
 De Pew, P. H. 2 c Nyack
 Deschere, P. R. 2 s 334 W. 58
 Detwiller, F. K. f a 529 W. 111
 Deutsch, H. A. 4 s 534 E. 87
 Deutsch, J. 3 t 351 E. 169
 Devendorf, F. C. 3 m 351 W. 57
 Devlin, F. B. 4 c
 1075 Havemeyer ave.
 De Walsh, F. C. ph
 125 Manhattan
 Dewey, E. 2 b 1700 Broadway
 de Wilton, R. L. 3 c 371 W. 120
 Dewing, E. O. D. pl
 L. I. State Hospital, Bklyn.
 De Witt, S. R. 4 t
 W. 228, Kingsbridge

Diaz, M. D. 2 s Livingston
 Dickenson, E. H. 2 s
 65 Central Park W.
 Dickinson, H. N. ph
 105 Kingston ave., Bklyn.
 Dichl, M. V. 1 b 631 Bulls' Ferry
 Road, West New York, N. J.
 Diemer, C. M. 3 t 265 Henry
 Dieterich, F. H. 3 m
 910 Cauldwell ave.
 Dik, S. D. 4 m 216 E. 76
 di Moise, G. B. 3 s 438 W. 116
 Dingman, M. A. 3 t Teachers
 Diñoso, R. S. 3 t 524 W. 123
 Disman, B. S. 2 l Livingston
 Dismukes, M. D. 3 t Whittier
 Distin, W. G. f a Havemeyer
 Dittmer, C. H. f a 520 W. 123
 Divorsky, S. R. 3 t 53 E. 93
 Dobbs, E. V. 4 t 507 W. 121
 Dodd, F. F. pl 612 W. 184
 Dodd, L. W. f a 257 W. 86
 Dodd, Rollin, ph 175 Ninth ave.
 Dodge, A. R. pl 618 W. 136
 Dodge, M. 1 b
 185 Berkeley Pl., Bklyn.
 Doernberg, W. S. 3 l 127 E. 95
 Doherty, Mary 3 t 16 W. 101
 Doig, J. M. nm b 503 W. 121
 Donahue, P. ph
 250 Jay St., Bklyn.
 Donaldson, J. W. 4 t
 62 Clifton pl., Bklyn.
 Donaldson, K. H. 1 s 309 W. 85
 Donelson, E. M. 3 t
 Donnelly, A. E. 1 c Livingston
 Donnelly, I. G. 4 t Whittier
 Donnelly, J. E. 3 m
 2790 Marion ave.
 Donohue, J. H., Jr. 4 t 107 W. 11
 Donovan, F. F. 4 m
 Donovan, J. 2 s
 Dooman, E. H. 1 s 371 W. 117
 Dooman, P. A. 1 m 371 W. 117
 Doremus, M. B. 3 c 558 W. 113
 Dorn, G. H. 3 s 1630 Ave. A
 Dorning, I. f. 2 b 124 W. 81
 Dorr, W. C. 2 c 308 Union, Bklyn.
 Dorsey, E. R. 2 l Livingston
 Dotey, A. I. ph 14 W. 127
 Doty, E. M. 1 b 553 W. 141
 Doty, E. S. ph 602 W. 135
 Doty, K. S. pl 553 W. 141
 Dougherty, E. A. 3 s 244 W. 20
 Dow, F. B. 3 l Livingston
 Dowkins, S. M. ph 94 Lawrence
 Downie, I. H. 4 t Whittier

- Downing, G. S. 1 c Hartley
 Downs, M. 3 b
 75 Fairview ave., Jersey City
 Dox, R. W. 3 l Hartley
 Drain, D. D. 3 l Hartley
 Dreisbach, P. W. 1 c
 Drew, A. L. nm c 138 W. 91
 Dreyfuss, R. 3 s 201 W. 120
 Driehaus, J. W. gr t Livingston
 Driggs, H. E. nm t 108 W. 73
 Druding, M. D. C. 2 b 144 W. 104
 Drury, L. E. gr t Hartley
 Dubin, M. J. 1 s 440 E. 141
 Duboff, W. S. 1 m
 915 De Kalb ave.
 DuBois, S. E. 3 t 2066 Fifth ave.
 Duck, S. O. 1 c
 534 Flatbush ave., Bklyn.
 Dueñas, H. 4 s 11 Broadway
 Dunbar, A. A. 4 t 519 W. 121
 Dunbar, M. 4 t Dobbs Ferry
 Duncan, A. 2 b 101 W. 85
 Duncan, McK. 3 c Hartley
 Dunham, H. G. nm c 318 W. 57
 Dunmore, R. G. 1 l Hartley
 Dunn, C. W. ph 159 and B'way
 Dunn, W. P. pl 700 Park ave.
 Dunnet, E. V. 2 b
 E. 89, and Ave. F, Bklyn.
 Dupin, E. A. 3 m 1090 Simpson
 Durkin, E. L. nm c 604 W. 112
 Dustin, E. G. 2m 437 W. 59
 Dwyer, C. E. 4 c
 468 Riverside Drive
 Dwyer, G. J. 2 c
 468 Riverside Drive
 Dye, T. M. 2 l Livingston
- Eaches, B. nm b Hightstown, N. J.*
Earl, A. M. 4 t 866 West End ave.
 Earle, T. 4 s 608 W. 113
 Early, E. R. 2 l Earl
 Eastman, F. W. 2m 612 W. 25
 Eastman, H. W. 3 l
 Eastman, M. ph 237 W. 11
 Eastman, M. F. ph
 Eastman, W. 1 l Hartley
 Eaton, L. V. 1 b
 191 Claremont ave.
 Ebeling, W. B. 1 c
 56 Windsor Pl., Bklyn.
 Eccles, A. K. 3 c 141 W. 47
 Echeverria, F. J. 4 m 248 W. 76
 Eckmann, J. 4 s 460 Grand
 Eddison, W. B. 1 s 614 W. 113
 Eddy, E. S. 3 b
 19 W. 34, Bayonne
- Eddy, W. H. p 155 W. 65
 Edens, O. L. 4 t Whittier
 Edgar, G. C. 1 s 71 W 92
 Edgar, L. gr t
 19 Monroe Pl., Bklyn.
 Edmands, S. S. p
 Pratt Inst., Bklyn.
 Edmunds, F. D. 1 c 4 Chelsea Sq.
 Egbert, G. P. 2 c 425 W. 146
 Egbert, H. D. 3 s 425 W. 146
 Eggleston, M. K. 3 b
 43 Central ave., Tompkinsville
 Eggleston, L. 3 b Brooks
 Ehrenreich, S. 4 m 69 E. 101
 Eichmann, M. 2 c
 370 West, West Hoboken
 Eimer, C. B. 2 c 30 Irving Pl.
 Eimer, W. R. ph 30 Irving Pl.
 Eisele, O. B. 1 s 10 W. 102
 Eiseman, B. nm c 96 Charles
 Eisenmann, M. J. gr t
 444 E. 141
- Eisler, S. 2 m
 Elder, F. C. 3 s Hartley
 Eldridge, E. A. 3 t Whittier
 Eldridge, S. 3 c
 45 Aarian ave., Kingsbridge
 Ellenwood, E. J. 3 l
 266 Hewes, Bklyn.
 Elliott, E. Du B. 4 m
 Elliott, K. F. nm b 417 W. 120
 Ellis, F. E. 3 l Livingston
 Ellisson, E. J. 1 b
 60 Prospect Place, Bklyn.
 Elmendorf, S. 3 t
 86 St. & West End ave.
 Elsasser, F. R. 3 c 302 W. 109
 Elsasser, H. W. 1 c 302 W. 109
 Elting, R. ph
 290 Clinton ave., W. Hoboken
 Ely, S. D. f a Rutherford
 Emerson, E. M. ph
 632 Bedford ave., Bklyn.
 Emery, J. J. 4 t Whittier
 Emery, M. E. 3 b
 30 Avon ave., Newark
 Emmons, M. nm t
 123 B'way, Paterson, N. J.
 Emsheimer, H. 4 m Livingston
 Englander, H. 2 nm s 270 W. 118
 Englehart, J. H. 3 c
 English, E. 1 b 521 W. 179
 English, J. T. 4 m Elizabeth
 Enk, F. F. 4 t
 4 Cliff St., Somerville
 Entelmann, J. H. 2 s
 333 Alexander ave.

Epstein, A. 3 c
792 Greene ave., Bklyn.
Epstein, B. 3 c 1072 Second ave.
Epstein, L. 4 c
792 Greene ave., Bklyn.
Epstein, Louis, 1 c 283 Grand
Erdmann, B. 3 t Whittier
Erickson, F. L. f a 700 Park ave.
Ernst, E. C. 2 m
65 Central Park W.
Ernst, M. nm c 152 W. 122
Erskine, R. S. 3 c 606 W. 113
Essig, F. T. 1 s
233 So. 7, Newark
Estrada, A. E. phar Whittier
70 Morningside ave. W.
Estrada, S. E. 2 s
70 Morningside ave. W.
Etler, J. E. phar 85 Mulberry
Evans, E. R. 4 m
Evans, H. W. s 522 W. 123
Evans, J. H. 4 m
200 Riverside Drive
Evans, M. B. 4 s 414 W. 118
Everingham, S. 3 m 325 W. 58
Everson, A. E. gr t Whittier
Ewing, M. H. 3 t Whittier
Exstein, L. W. 2 l 405 W. 118
Ezekiel, B. 4 s 104 W. 86
Ezekiels, J. 3 t 106 E. 43
Faas, C. T. 2 c 544 W. 113
Fairbairn, R. A. 1 c
249 McDonough, Bklyn.
Fairbairn, R. L. 3 c 531 W. 113
Fairchild, J. W. pl
72 Columbia Heights, Bklyn.
Falion, G. M. ph
329 Pacific, Bklyn.
Falk, H. C. 4 b 304 W. 99
Falkowitz, H. C. 3 m
708 Ninth ave.
Fancher, Edna, 3 b
12-2, New Brighton
Fancher, K. S. 1 b Brooks
Fargo, A. H. s 341 W. 51
Farlayson, F. L. 1 c 102 W. 84
Farnum, A. F. 4 t
65 Central Park W.
Farr, T. H. P., Jr. 3 s 612 W. 116
Farrell, C. D. 3 t
48 Esterbrook ave., Rahway
Farrington, T. B. 4 s 614 W. 113
Faust, C. C. ph
536 Greene ave., Bklyn.
Fauver, E. 4 m
145 Wordsworth ave.

Federman, S. 1 s 1874 Cruger ave.
Fedter, B. ph
223 Bedford Park Boulevard
Fehler, J. F. phar 208 W. 69
Feigenbaum, W. M. pl
1516-76, Bklyn.
Feinberg, B. G. p 500 W. 123
Feitel, N. H. 3 l Livingston
Felbel, F. J. 2 c 42 W. 87
Felch, E. L. 2 b 52 W. 105
Feldstein, G. M. 3 m
Fenner, C. N. p
Albion Pl., Paterson
Ferguson, A. B. ph Whittier
Ferguson, J. M. 1 l
96 Clinton ave., Jamaica
Ferguson, W. E. 4 s
2343 Old B'way
Ferrara, J. 2 c
Ferrari, R. A. 2 l 327 E. 116
Ferreira, A. V. 2 c 417 W. 117
Ferst, L. S. 3 c 1465 Fifth ave.
Fich, M. 4 s 83 W. 115
Fichandler, A. pl 134 E. 101
Field, H. G. nm l 25 W. 65
Field, N. C. 4 t
Fincle, W. M. pl 104 E. 74
Findeisen, W. E. 4 m 165 W. 64
Fink, A. 4 t 17 W. 111
Fink, E. H. 3 t
820 Washington ave., Bklyn.
Finklestein, M. 2 s 329 E. 20
Finlayson, A. 4 t 110 E. 81
Finley, C. J. 1 s 1580 Amsterdam
Firebaugh, B. H. 3 b 667 E. 163
Fischel, R. V. 1 b 118 E. 93
Fischer, G. M. 1 b 138 E. 150
Fischer, M. L. ph
803 Lexington ave.
Fisher, E. E. 1 c
72 Morningside ave., E.
Fisher, E. J. pl Hartley
Fisher, L. G. 1 m 673 Lenox ave.
Fisher, T. A. 3 * Livingston
Fisk, B. K. 1 l Hartley
Fisk, D. M. 3 c 530 W. 122
Fitch, G. A. ph 700 Park ave.
Fitz, L. 1 b Brooks
Fitzburgh, m. 4 t 524 W. 123
Fitzpatrick, E. A. gr t 69 Pike
Flam, A. 1 s 1368-46, Bklyn.
Flanagan, A. E. f a 419 W. 115
Flatow, J. ph
675 Decatur, Bklyn.
Fleischman, L. E. 2 s 317 W. 83
Fleischman, L. S. 3 c 303 W. 107
Fleischman, M. R. 3 t Whittier

- Fleischmann, A. J. 2 l Livingston
 Fleming, C. O. 3 b 450 E. 26, Bklyn.
 Fleshman, A. C. gr t 503 W. 124
 Flickinger, M. L. 3 t 431 W. 121
 Flint, M. L. 3 b 4639 Richardson ave.
 Flower, A. R. 2 c 313 Gregory ave., Passaic
 Flower, H. J. 4 c 216 William
 Floyd, C. H. 3 l Hartley
 Flynn, E. L. ph 509 W. 140
 Flynn, M. L. ph 509 W. 140
 Foard, O. G. f a Livingston
 Foeller, H. C. E. 2 s 334 W. 47
 Fogarty, J. f a 164 W. 126
 Fogel, W. P. Jr. 3 s 413 W. 117
 Folger, P. 3 l Livingston
 Foncerrada, J. M. s Hartley
 Fondiller, W. 4 s 546 Hudson
 Fontaine, M. L. ph 518 W. 143
 Fonts, A. Jr. f a 210 W. 107
 Fonts, H. 4 s 210 W. 107
 Foote, H. 4 s 627 W. 115
 Forbes, E. B. 3 t Whittier
 Ford, A. J. 1 s 565 W. 113
 Ford, F. G. 3 l Morristown
 Ford, J. S. 3 m 48½ Burnet, Newark
 Ford, R. H. 1 c 22 S. Broadway, White Plains
 Ford, W. A. s 22 S. Broadway, White Plains
 Forest, K. nm t 836 Seventh ave.
 Forman, E. B. 4 t Whittier
 Forman, H. L. pl 700 Park ave.
 Forssell, A. E. 3 t 1276 Castle-
 ton ave., West Brighton
 Forster-Cooper, C. p Hartley
 Forster, W. W. 1 c
 Forsythe, R. S. ph Hartley
 Fortinash, P. J. 4 c 2166 Second ave.
 Foshay, J. R. 4 m 9 W. 129
 Fossas, E. J. 4 s 524 W. 124
 Foster, W. E. ph 51 E. 97
 Foster, W. W. 3 s 72 Court, Newark
 Fowler, R. H. 4 m 60 E. 68
 Fowler, R. L. Jr. 4 c 26 W. 10
 Fowler, S. ph 420 W. 118
 Fox, D. R. 2 c 520 W. 123
 Fox (Mrs.), H. M. gr t 150 W. 86
 Fox, H. R. 3 b 622 W. 152
 Fox, J. D. 2 b 338 Warburton ave., Yonkers
 Frachtenberg, Leo J. ph. 197 E. B'way
 Frame, R. M. 2 b 27 S. 13 ave., Mt. Vernon
 France, A. L. f a
 Francis, C. L. 4 t Whittier
 Frank, A. nm l Livingston
 Frank, C. D. ph Hartley
 Frank, G. S. pl 261 Henry, Bklyn.
 Frank, L. K. 1 c 425 W. 114
 Frank, M. 2 c 402 E. 79
 Franke, C. E. ph 552 W. 173
 Franke, G. M. 3 b Bound Brook, N. J.
 Franke, R. 2 s Livingston
 Frankel, O. K. 1 l Far Rockaway
 Franklin, E. 1 b 15 Kenmore Place, Bklyn.
 Franklin, I. H. 1 m 193 Palisade ave., Jersey City
 Fransioli, A. 3 b Brooks
 Fraser, H. C. 3 t 554 W. 113
 Fraser, J. M. 4 t Whittier
 Fraser, L. 4 c 173 Taylor, Bklyn.
 Frayser, M. E. 3 t 421 W. 117
 Frazier, E. T. nm b 116 W. 134
 Frear (Mrs.), F. D. 3 t 270 W. 93
 Frederichs, W. 3 s 417 W. 117
 Fredsall, O. A. 1 s 414 Carlton ave., Bklyn.
 Freece, H. P. 2 l 251 W. 129
 Freed, S. I. 1 c 492 Ninth, Bklyn.
 Freedman, A. 1 l Livingston
 Freeman, A. C. 3 m 211 W. 57
 Frees, H. J. f a 364 E. 156
 French, A. T. gr t 1115 Amsterdam ave.
 French, C. T. A. 2 l 195 W. 134
 French, F. F. nm s 531 W. 113
 Frerichs, E. V. 3 c 231 W. 115
 Freundlich, I. nm l 207 E. 68
 Friedberg, E. 3 t 350 Audubon ave.
 Friedman, I. 2 c 55 Osborn, Bklyn.
 Friedman, M. 2 s 8-10 E. 107
 Friedman, W. H. p 172 Rivington
 Friedson, M. 3 m 163 Stanton
 Friess, L. L. ph 401 W. 117
 Frink, M. H. 4 b 546 W. 124
 Frink, R. M. 3 l Livingston
 Frooks, E. G. nm b 225 Chrystie
 Frost, E. E. 3 t Kenilworth, N. J.
 Fuchs, H. H. f a 489 E. 141
 Fudji, G. f a 2224 Valentine ave.
 Fueslein, V. A. 2 b 351 E. 77.

Fuhrman, H. C. 3 m
1247 Ocean ave.
Fuld, H. A. 4 s 168 W. 86
Fulton, C. H. 4 m
Furman, B. A. 3 m
65 S. 10, Newark
Furst, M. L. 4 t
Lowerre Summit, Yonkers
Furstenwalde, H. C. 1 c 65 E. 53
Gache, C. T. 2 s 80 Wall
Gaddis, C. J. 4 t
362 Riverside Drive
Gaebelein, P. W. 3 s 417 W. 117
Galloway, W. E. nm c 439 W. 123
Galvin, W. J. 2 c 405 W. 118
Gambier, L. M. 3 t
351 Lexington ave.
Gammon, S. M. 4 t 528 W. 123
Gans, L. S. 2 c 52 W. 71
Garabedian, M. D. G. 3 c
419 W. 121
Garber, D. M. 1 s 225 Fifth ave.
Gardner, E. H. ph Livingston
Gardner, L. B. 3 s 531 W. 113
Garlick, E. S. 3 t
34 Paterson ave., Paterson
Garratt, L. 3 t Whittier
Garrett, E. T. nm t
225 E. 239, Woodlawn
Garrison, C. G. 4 t 502 W. 134
Gartlan, E. B. gr t
1253 St. Nicholas ave.
Garvey, R., Jr. 2 l 619 W. 113
Gatch, N. B. 2 c Hartley
Gately, W. A. 2 s 125 E. 54
Gates, W. J. nm c
18 Jefferson, Nyack
Gatlin, D. E. ph Whittier
Gaul, W. H. phar
82 Post, Yonkers
Gaulden, E. 3 t 503 W. 121
Gautier, C. E. nm c 260 W. 91
Gavria, J. 1 l New York
Gay, D. B. 4 t 42 W. 12
Gay, E. 4 b 205 W. 106
Gay, K. 2 b 205 W. 106
Geer, F. H. 1 c 60 W. 84
Geer, O. P. 2 l 246 W. 72
Gehlke, C. E. pl Hartley
Geiger, C. H. 3 t Whittier
Geiger, H. R. 1 s 235 W. 102
Gelbach, M. ph 534 W. 143
Genin, M. J. 4 t
Atlantic Highlands
Gentry, M. B. 4 s Livingston
Gephart, W. F. pl 417 W. 118

Gerow, A. L. 1 m 205 W. 103
Gerrish, W. C. pl Hartley
Gerritson, M. B. 4 t Whittier
Gerstein, R. 2 b
130 Manhattan ave., Bklyn.
Gerstein, S. R. 2 c
130 Manhattan ave., Bklyn.
Gerstle, H. S. 1 c 2109 Broadway
Gettler, A. O. 4 s
188 Wyckoff ave., Bklyn.
Gianella, G. 4 t 608-5, Bklyn.
Gibson, L. W. 4 c
40 Bleecker, Newark
Gibson, M. L. 3 b 529 W. 123
Gibson, V. R. 3 c
8 Van Sice ave., Yonkers
Giegerich, A. N. 3 c 417 W. 117
Gilbertson, H. S. p 520 W. 123
Gildersleeve, J. A. 1 m
619 W. 113
Gildersleeve, N. B. 2 c
37 Downing, Bklyn.
Gilleaudeau, G. G. 2 b
Mamaroneck
Gillies, H. H. ph Chelsea Square
Giltner, E. E. gr t 511 W. 139
Ginsberg, I. 2 c 965 Grant ave.
Girdner, P. M. 2 b 47 W. 71
Gitlow, S. 1 m
7 Flushing ave., Astoria
Gladstone, J. 1 c 148 E. Broadway
Glanton, L. P. gr t 94 Lawrence
Glass, M. ph 419 W. 118
Glassford, J. nm s 25 Broad
Gleason, E. 2 b
239 Decatur, Bklyn.
Gleason, S. 1 b
239 Decatur, Bklyn.
Glenn, I. L. 1 b 135 W. 117
Glenn, W. L. 1 l
Glock, A. R. 1 s
533 Eighth ave., Astoria
Glorney, E. E. 3 s 410 W. 124
Glück, E. H. 3 t 1041 Madison ave.
Glück, E. L. 1 c 1041 Madison ave.
Godfrey, L. B. nm t 420 W. 121
Godley, M. F. 3 b Bayside, N. Y.
Goeckel, H. J. nm m
249 Holland ave.
Goertner, R. pl 921 St. Nicholas ave.
Goetz, N. S. 3 l
Remington ave., Arverne
Goff, H. nm c 33 W. 126
Goldberg, G. 3 c
210 Lynch, Bklyn.
Goldberg, J. 4 b 402-410 W. 148
Goldberg, V. 3 m 2968 Briggs ave.

- Goldberger, H. H. *gr t* 217 W. 111
 Goldblatt, H. M. 2 *l* 460 Grand
 Golde, F. E. 1 *s* 886 Putnam ave., Bklyn.
 Golden, H. 4 *c* 238 E. 53
 Golden, T. 1 *s* 624 E. 9
 Goldman, H. *f a* 83 St. Nicholas Pl.
 Goldman, I. *gr t* 116 E. 114
 Goldman, S. 1 *m* 240 Hart, Bklyn.
 Goldsmith, A. N. *p* 1163 Washington ave.
 Goldsmith, I. E. 2 *c* 53 W. 89
 Goldsmith, W. L. *ph* 700 Park ave.
 Goldstein, G. L. *nm t* Whittier
 Goldstein, H. S. 2 *c* 106 E. 96
 Goldstein, I. G. *phar* Paterson
 Goldstein, M. M. 3 *s* 158 W. 118
 Goldstein, R. A. 4 *c* Livingston
 Goldstein, S. 3 *s* 267 W. 113
 Goldwasser, D. *gr t* 141 W. 111
 Goll, B. C. 3 *t* 25 Pulaski, Bklyn.
 Golob, M. *phar* 430-32 E. 70
 de Golyer, R. J. 1 *l* 523 W. 122
 Goodfriend, H. 3 *m* 243 E. 72
 Goodies, F. T. *gr t* 520 W. 123
 Goodkind, M. 3 *s* 18 W. 112
 Goodman, L. L. 3 *c* 218 St. John's Pl., Bklyn.
 Goodwin, E. C. 3 *s* 417 W. 117
 Goodwin, E. L. 4 *b* 68 Sanford, E. Orange
 Goodwin, G. M. 4 *c* 54 Richmond
 rd., Tompkinsville, S. I.
 Goodwin, W. 1 *l* 128 Central Park, S.
 Goodyear, B. D. 3 *t* Whittier
 Goolrick, J. M. 3 *t* Whittier
 Gordon, A. M. 4 *b* 753 Jennings
 Gordon, C. *gr t* 544 W. 113
 Gordon, P. A. 3 *l* Hartley
 Gorfinkle, J. I. *ph*
 Gorowitz, B. 3 *t* 319 S. 1 Bklyn.
 Gortner, R. A. *p* 430 W. 118
 Goss, H. 3 *t* Whittier
 Gossett, A. J. 4 *m* 209 W. 130
 Gottlieb, A. 3 *m*
 Gottlieb, J. L. *f a* 267 S. 5, Bklyn.
 Gould, F. R. *nm t* 858 Jewett ave., West Brighton
 Gould, J. *nm c* 195 Broadway
 Gould, K. 4 *s* 195 Broadway
 Grace, R. V. 2 *m* 435 E. 141
 Graef, E. A. *f a* 242 W. 116
 Graff, C. R. 2 *c* 388 Marcy ave., Bklyn.
 Graham, E. L. 3 *b* Brooks
 Graham, M. O. 3 *t* Whittier
 Graham, S. P. *ph* 6 Howe ave., New Rochelle
 Granger, H. S. *f a* 119 Fenimore, Bklyn.
 Grant, A. C. 4 *b* 81 Buena Vista ave., Yonkers
 Grant, E. J. 4 *c* 554 W. 113
 Grant, L. E. 4 *s* Livingston
 Grassi, W. H. H. 2 *c* 28 Edgcombe ave.
 Gratigny, R. K. *p* Edgewater, N. J.
 Graves, G. H. *p* Livingston
 Gray, C. 4 *s* 206 W. 119
 Gray, E. N. 2 *b* Palisade, N. J.
 Gray, E. P. 1 *b* 409 Fourth, Bklyn.
 Gray, J. E. 4 *t* 246 Fourteenth, Bklyn.
 Gray, J. W. 2 *m* 138 Clinton ave., Newark
 Gray, R. P. 3 *t*
 Gray, Wm. A. 1 *c* 246 Fourteenth, Bklyn.
 Greacen, J. L. 1 *s* 307 W. 33
 Green, H. 1 *l* 127 E. 39
 Green, H. C. *pl* 486 W. 136
 Green, J. C., Jr. *ph* 108 W. 103
 Greenawalt, L. de F. 2 *b* Brooks
 Greenberg, J. *ph* Metuchen, N. J.
 Greene, F. E. 3 *b* 280 Pavonia ave., Jersey City
 Greene, E. V. V. 3 *t* 403 W. 115
 Greenough, W. E. 3 *s* 530 W. 123
 Greenslade, W. G. *pl* 700 Park av.
 Greenwold, M. S. 1 *b* 33 Wall
 Gref, W. H. 2 *s* 565 W. 113
 Gregg, R. E. 4 *t* 200 Claremont ave.
 Gregory, L. H. *p* Whittier
 Greiff, L. J. 2 *b* 166 W. 79
 Grendon, F. *ph* 62 E. 34
 Gresham, W. J. 1 *l* 521 W. 123
 Griffen, E. B. 3 *s* 304 W. 90
 Griffin, H. C. *p* Hartley
 Griffin, P. F. 4 *c* 324-75, Bay Ridge
 Grill, A. M. 2 *c* 305 W. 114
 Grimes, J. A. *p* Hartley
 Grimm, A. J. 2 *c* Livingston
 Grinfeld, Isaac *pl* 61 Fifth ave.
 Griscom, L. 1 *c* 21 Washington Square, N.
 Groover, R. O. 1 *m* 353 W. 55
 Grose, L. R. *ph* 401 W. 117
 Gross, H. I. *p* 93 Buffalo ave., Bklyn.

Gross, H. *f a*
 93 Buffalo ave., Bklyn.
 Grossbaum, L. *2 c*
 2646 Marion ave.
 Groth, C. D. *ph* 43 W. 16
 Grow, R. F. *1 s*
 201 Mier, Cranford, N. J.
 Grunow, W. R. *1 c*
 262 Broad, Bridgeport, Conn.
 Guernsey, J. E. *4 t* 417 W. 118
 Gugler, E. *f a* Hartley
 Guilfoil, P. H. *1 l* Livingston
 Guit  ras, H. G. *2 s*
 1 Livingston ave., Yonkers
 Guit  ras, Jul. G. *2 s*
 1 Livingston ave., Yonkers
 Guit  ras, Jos. R. *2 s*
 1 Livingston ave., Yonkers
 Guiterman, K. S. *3 s* Livingston
 Gulliver, H. G. *3 c*
 952 St. Nicholas ave.
 Gunther, A. *3 c*
 351 Halsey, Bklyn.
 Gunther, G. P. *f a*
 2980 Marion ave., Bronx
 Guthorn, S. *3 s* 103 E. 123
 Gutman, M. *4 c*
 1070 Madison ave.
 Guynn, E. H. *ph* Ridgefield, N. J.
 Gwiazdowski, Al. *3 s* 408 Madison

Haake, C. H. G. *1 m* 210 W. 109
 Haaren, W. F. *1 s* 147 W. 122
 Haas, G. C. O. *ph* 254 W. 136
 Haber, I. *2 c*
 718 Angelique, W. Hoboken
 Hadden, V. B. *nm b* 5 E. 76
 Hadley, R. A. *pl* 700 Park ave.
 Haessler, A. M. *3 t* Whittier
 Haessler, Luise *ph* Whittier
 Hagedorn, H., *ph* 81 Park ave.
 Haigh, C. S. *4 s*
 265 McDonough, Bklyn.
 Haigh, E. M. *4 t* Whittier
 Haight, A. C. *f a* 612 W. 115
 Haight, H. I. *ph* 486 W. 136
 Haines, H. W., *sp. s* 153 W. 121
 Haines, W. H. *1 s* 222 W. 23
 Haihwaite, C. *3 b* 103-79, Bklyn.
 Hakes, R. J. *2 b*
 220 Riverside Drive
 Hakes, M. *nm b*
 220 Riverside Drive
 Halamka, J. H. *pl* Hartley
 Halamka, LeR. M. *nm c* Hartley
 Halcomb, C. H., Jr. *1 s* 30 W. 44
 Halcy, G. M. *3 t* 26 W. 134

Hale, F., Jr. *4 m*
 Hale, H. F. *1 b* Brooks
 Hale, J. C. *2 s* Livingston
 Halenbeck, A. E. *1 c*
 1211 Garden, Hoboken
 Hall, A. E. *2 s* 526 W. 122
 Hall, E. P. *3 t* 523 W. 122
 Hall, F. *2 m* 350 W. 57
 Hall, F. C. *1 c* 245 W. 48
 Hall, G. *pl* 370 W. 29
 Hall, H. E. *4 s* 616 W. 113
 Hall, H. M. *ph* 210 E. 17
 Hall, L. *ph*
 35 High, So. Norwalk, Conn.
 Hall, T. *3 b* 138 W. 111
 Hallock, A. C. *1 b* 36 E. 65
 Hallock, E. M. *4 t*
 Briarcliff Manor, N. Y.
 Hallock, F. B. *s* 479 W. 152
 Halm, R. *c* 421 W. 117
 Halpern, M. *pl* 27 W. 112
 Halpern, T. *1 m*
 1962 Amsterdam ave.
 Halsey, R. D. *4 c* Hartley
 Halsted, H. *m* 40 W. 65
 Ham, A. H. *pl* 8 Lexington ave.
 Ham, E. O. *ph* 700 Park ave.
 Hamann, A. M. *3 s* 554 W. 113
 Hamburger, M. V. *1 b* 58 E. 128
 Hamburger, N. F. *3 b* 58 E. 128
 Hamburger, P. J. *2 c*
 230 W. 107
 Hamel, G. *3 t* 276 Broad, Newark
 Hamilton, E. L. *3 t*
 190 Wadsworth ave.
 Hamilton, H. F. *ph*
 140 Barclay, Flushing
 Hamilton, P. H. *1 s*
 36 Park ave., Jamaica
 Hamilton, S. *3 l*
 380 Riverside Drive
 Hamlin, M. L. *p*
 105 Morningside ave., E.
 Hammond, A. B. *4 t* 63 W. 12
 Hammond, E. L. *ph* 417 W. 120
 Hammond, H. O. *4 s* 608 W. 113
 Hancock, W. J. *p*
 11 Linden ave., Bklyn.
 Hand, F. A. 142 E. 65
 Handelsman, S. *2 c*
 103 Scholes, Bklyn.
 Haner, C. *2 s* 147 W. 105
 Hanhausen, F. *3 s* 558 W. 113
 Hanigan, H. A. *3 s* 119 W. 70
 Hanke, A. G. *3 s* Livingston
 Hanley, K. V. *3 b* 607 W. 116
 Hanna, A. K. *3 t* 165 W. 83

Henderson, H. *ph* 7 Henry, Bklyn.
Henderson, H. G. *3 c*
Riverside and 116

Henderson, N. B. *4 t*
Hendrian, A. W. *4 t* 153 E. 86
Hendricks, E. *ph* 18 E. 80
Hendricks, R. *1 b* 353 W. 57
Hendricks, W. E. *pl*
Hendrickson, N. E. *1 s*
536 Dean, Bklyn.

Hendrie, M. L. *nm t*
Fairfield ave., Stamford, Conn.

Henes, E., Jr. *3 m* 128 E. 93
Henes, H. W. *4 s* 128 E. 93
Henggeler, J. P. *phar*
Henle, J. H. *1 c* 372 W. 120
Henning, J. R. *ph* 419 W. 121
Hennis, J. R. *1 l* 140 E. 28
Henriques, M. C. *p* 476 W. 141
Herbener, H. M. *1 s* Hartley
Herbert, L. M. *ph*

330 Rockaway ave., Bklyn.
Herbert, W. D. *2 s* 434 W. 22
Herman, M. M. *2 l* 235 W. 137
Herreshoff, A. F. *nm b* 233 W. 109
Herrich, H. T. *3 s* 310 W. 95
Herring, H. M. *1 m* 102 W. 123
Herrlich, A. P. C., Jr. *1 s*
151 Avenue A

Herrlich, W. L. *1 c*
3305 Third ave.
Herrmann, A. *ph* 234 E. 72
Herrmann, A. L. *2 b*
1224 Union ave.

Herrmann, E. M. *2 s* 251 W. 137
Herrmann, H. *3 t* 58 E. 124
Herrmann, M. T. *3 b* 112 E. 65
Hershenstein, C. *4 c*
241 Newark ave., Jersey City
Hershenstein, S. *nm l*

241 Newark ave., Jersey City
Hershfield, B. R. *1 b* 159 E. 64
Herschkopf, B. *3 l* 36 Attorney
Herter, A. H. H. *2 s* 541 W. 147
Herts, H. H. *4 c*

Broadway and 56
Hertzog, H. S. *2 s* 508 W. 146
Hertzog, W. S. *pl* 510 W. 146
Herz, E. *3 t* 222 W. 141
Herzfeld, M. G. *2 m* 254 W. 131
Herzog, D. S. *3 s*
772 St. Nicholas ave.

Hess, A. M. *gr t* Hartley
Hess, B. M. *4 t* Whittier
Hess, M. H. *1 l* 24 W. 85
Heuermann, H. F. *ph*
90 St. Paul's ave., Tompkinsville

Hewins, N. P. *gr t*
Clermont Terrace, Elmhurst

Hewitt, R. H. *4 m* 129 W. 64
Hewson, M. A. *3 t* Whittier
Heydecker, W. D. *2 c* 558 W. 113
Heynich, R. O. *ph* 714 Lincoln
Pl., Bklyn.

Heyward, N. B. *2 m* 144 W. 65
Hibbs, D. L. *1 m*
Hickenlooper, G. *ja* Livingston
Hicks, C. J., Jr. *1 c*

9 Ridgeview ave., White Plains
Hicks, C. S. *2 s* Livingston
Higgins, F. A. *1 l* 415 W. 146
Higginson, J. J., Jr. *ph* 16 E. 41
Hildenbrand, J., Jr. *1 c*
1446 Fifth ave.

Hildreth, E. S. *ph* 700 Park ave.
Hildreth, W. W. *3 m* 138 W. 65
Hill, A. D. *3 b* 537 W. 121
Hill, A. T. *2 b* 783 Greene ave.,
Bklyn.

Hill, D. *3 c* 323 W. 87
Hill, E. N. *ph* Brooks
Hill, J. F. *2 m* 65 Central Park W.
Hill, J. W. *2 c* 131 W. 118
Hill, M. C. *3 t* 419 W. 121
Hill, M. F. *1 c* 136 W. 139
Hill, P. S. *4 t* 628 W. 114
Hill, W. C. *2 s* Hartley

Hillegas, M. B. *gr t*
131 Sherman ave.

Hiller, E. G. *3 t* Whittier
Hills, H. P. *3 t* Whittier

Hinchliffe, L. V. *1 l*
Hindes, L. *4 t* 417 W. 114
Hinkel, E. J. *3 s* 329 E. 68
Hinman, E., Jr. *3 c*

Riverside and 116
Hinshelwood, Mabel, *4 t* Whittier

Hiromasa, K. 182 High, Bklyn.
Hirsch, C. M. *2 s* 445 W. 162
Hirsch, G. J. *2 l* 1361 Madison ave.
Hirsch, M. M. *1 c* 207 W. 110
Hirschensohn, E. *ph*

322 Park ave., Hoboken
Hirschensohn, N. *ph*

322 Park ave., Hoboken
Hirsdansky, Simon, *gr t* 515 W. 135

Hirsh, M. *2 b* 25 W. 87
Hirsh, R. T. *3 s* 161 W. 76
Hirt, E. L. *1 s* 544 W. 113

Hitchcock, C. D. *4 t*
Hitchcock, H. M. *3 t*
Polytechnic Inst. Bklyn.

Hitchings, G. L. *3 t*
Hitchins, O. E. *1 s* Hartley

- Hite, G. E. II 1 l White Plains
 Ho, W. S. nm l 404 W. 146
 Hoadley, H. ph 107 W. 11
 Hoag, J. A. 4 s 558 W. 113
 Hoag, L. H. f a
 Bronxwood Pk., Williamsbridge
 Hoass, C. T. 1 s 607 W. 113
 Hobbs, A. L. 2 m East Orange
 Hobbs, M. L. 3 t Whittier
 Hochberger, J. 2 s
 472 Central Park W.
 Hochberger, O. 3 c
 472 Central Park W.
 Hochderffer, M. J. ph 340 W. 51
 Hochheimer, R. 4 t
 1311 Madison ave.
 Hochstadter, I. 4 s 216 W. 139
 Hockenberry, J. C. gr t 515 W. 122
 Hockenberry (Mrs.) M. A. 3 t
 515 W. 122
 Hodge, C. M. nm b 316 W. 108
 Hodges, D. C. nm t 123 W. 80
 Hodges (Mrs.) L. R. pl
 430 Lafayette
 Hodgetts, A. S. ph
 190 Van Alst ave., L. I. City
 Hodgkinson, H. H. 3 s 608 W. 113
 Hodsdon, E. W. 4 b
 190 Harrison ave., Jersey City
 Hoermann, M. ph
 1208 Bloomfield, Hoboken
 Hoerner, G. pl
 1120 Amsterdam ave.
 Hoffman, H. E. 3 t 424 E. 8
 Hoffman, M. gr t 1169 Vyse ave.
 Hoffman, J. M. 2 s 105 E. 29
 Hoffman, P. E. 1 b 307 W. 137
 Hofheimer, A. 4 m 313 W. 106
 Hogan, M. R. 2 b Brooks
 Hoge, A. A. pl 977 Lexington ave.
 Hohn, J. E. ph 209 W. 108
 Hohn, L. H. nm t 160 E. 95
 Hoke, C. M. p Palisades Park, N. J.
 Holbrook, C. H. pl 700 Park ave.
 Holbrook, N. 2 c 554 W. 142
 Holderer, G. B. 4 s Livingston
 Holland, E. O. gr t Livingston
 Holland, M. E. 4 b Brooks
 Hollar, M. R. 4 b Brooks
 Hollis, G. M. 3 t
 1368 Pacific, Bklyn.
 Holm, A. S. 3 b Perth Amboy
 Holman, A. J. 2 s 1364 Teller ave.
 Holman, B. F. 4 t Whittier
 Holmes, H. H. 3 t 417 W. 120
 Holmes, L. D. 1 l
 2053 Seventh ave.
 Holmes, M. W. 4 t Whittier
 Holmes, P. K. H. 3 t Livingston
 Holmes, W. H. 1 s
 168 Cleveland, Bklyn.
 Holmquist, G. S. 2 s 430 W. 118
 Holt, E. 4 b 14 W. 55
 Holt, S. A. pl Brooks
 Holtzoff, A. 1 l 301 W. 139
 Holzman, B. 3 b 32 Ave. C
 Holzwasser, F. 2 b 215 W. 135
 Holzworth, J. M. 3 c 523 W. 113
 Hood, A. W. pl 417 W. 120
 Hooper, M. L. 4 t Whittier
 Hoopes, C. A. 2 l 800 Fox
 Hopewell, F. I. 3 b
 532 Broadway, Flushing
 Hopewell, S. L. 3 b
 532 Broadway, Flushing
 Hopkins, F. L. ph
 9 Eighth ave., Bklyn.
 Hopkins, M. D. ph
 Hopkins, P. C. gr t Hartley
 Hopping, A. T. 2 l 532 W. 114
 Hopson, D. S. 3 t Whittier
 Horinchi, S. pl 27 Waverly Pl.
 Horowitz, B. 2 s 74 E. 114
 Horton, E. E., Jr. 3 t
 316 Carlton ave., Bklyn.
 Hotchkiss, R. B. nm c
 337 Clinton, Bklyn.
 Houghton, J. K. 1 l
 House, F. E. 3 t
 97 Engle, Englewood
 House, J. W. 2 l Livingston
 Houston, Alfred, 3 l 417 W. 117
 Hover, D. L. C. 3 s 1 Teasdale Pl.
 Howard, F. L. pl
 257 Stuyvesant ave., Bklyn.
 Howe, C. H. 4 s 100 W. 118
 Howe, W. E. ph 175 Ninth ave.
 Howes, E. H. gr t 420 W. 146
 Howell, R. nm l 2030 Broadway
 Howie, H. B. 4 t 218 W. 114
 Howitt, L. R. f a
 21 Lake, White Plains
 Hoxsey, G. D. ph Chelsea Square
 Hoyt, F. gr t 523 W. 122
 Hoyt, H. L., Jr. 4 s 9 W. 32
 Hoyt, H. S. 3 b Nutley
 Hoyt, R. E. 3 m 350 W. 71
 Hoyt, S. F. ph 17 E. 95
 Hubbard, D. G. 1 s 135 W. 94
 Hubbard, E. W. H. 2 s
 597 Madison, Bklyn.
 Hubbard, J. F. W. 4 b
 129 Harrison, Bloomfield
 Hubbard, T. B. 3 m 128 W. 64

Hubbard, W. S. *p* Brentwood, L. I.
Hudson, C. A. 2 *c* 627 W. 115
Hudson, C. M. 1 *s* 421 E. 239
Hughan, J. W. *pl*
61 Quincy, Bklyn.
Hughes, C. L. *gr t* 509 W. 122
Hughes, S. M. 3 *t*
40 Hope, Ridgewood
Hülsmann, H. A. 2 *l* 610 W. 116
Hulst, G. D. *pl* 700 Park ave.
Humphrey, E. F. *gr t* 523 W. 121
Humphrey, H. E. *nm l*
Humphreys, G. W. S. *phar*
101 W. 74
Hunt, C. W. *gr t* Hartley
Hunt, C. W., Jr. 4 *c* 612 W. 116
Hunt, M. L. *ph* 500 W. 124
Hunt, R., Jr. 1 *c* 80 Broad
Hunter, G. C. *pl* 700 Park ave.
Hunter, G. L. 3 *b* 607 W. 116
Hunter, O. B. 3 *t* 66 E. 177
Huntington, A. E. 3 *b*
Hartsdale, N. Y.
Huntington, E. A. *gr* 417 W. 118
Hunting, E. *gr t*
The Aleda, Trenton
Hutchins, A. P. 4 *t* 235 W. 108
Hutchinson, G. E. 4 *s* 51 W. 95
Hutchinson, J. 4 *t* Whittier
Hutchinson, J. H. *gr t* 5 W. 125
Hutchinson, R. S. *ph* Whittier
Hüttlinger, C. F. 3 *c*
771 Carroll, Bklyn.
Hyde, B. E. 4 *t* Whittier
Hyde, C. E. 4 *m* Livingston
Hyde, H. B. *pl* 235 W. 108
Hyman, J. 2 *c* 310 Madison
Hyman, L. *pl* 49 W. 56
Hyman, S. L. *f a* Livingston
Iaason, A. H. 1 *c*
729a Macon, Bklyn.
Ide, H. C. *pl* Mount Vernon
Ihlseng, O. K. 2 *b* 541 W. 124
Ill, E. A. 3 *m* 350 W. 71
Immerman, H. 1 *s* 155 W. 117
Ingalls, F. M. 4 *b* 153 W. 80
Ingalls, F. W. 1 *c* 153 W. 80
Ingalls, R. C. 1 *c* 153 W. 80
Ingle, J. W., Jr. *f a* 537 W. 149
Inglis, A. J. *gr t* Hartley
Inglis, J. *ph* 30 Walnut, Newark
Inowry, H. 3 *t* Whittier
Intemann, A. C. 2 *l* 27 Bank
Ioki, T. *pl* 64 E. 133
Iorio, E. F. 1 *c*
2334 Pacific, Bklyn.

Irvin, J. S. 1 *m*
Irving, S. 3 *t* 921 St. Nicholas ave.
Isabel, E. C. 1 *b* 255 W. 95
Isbell, O. C. 1 *c* 485 W. 135
Isdell, I. M. 3 *t* Whittier
Iseman, P. R. 2 *s* 115 W. 131
Ives, F. L. 4 *s* 117 E. 30
Ivimey, E. M. 3 *b* 60 Clinton Pl.,
Bronx
Jabine, T. 1 *s*
9 Morris Crescent, Yonkers
Jabine, W. 2 *l*
9 Morris Crescent, Yonkers
Jackson, A. M. 4 *t*
Broadway and 122
Jackson, G. L. *gr t* 419 W. 117
Jackson, J. A., Jr. 3 *m* 107 W. 64
Jackson, J. M. 3 *c* Hartley
Jackson, L. 3 *l* 148 W. 125
Jackson, M. I. 4 *t* Whittier
Jackson, S. L. 1 *c* 784 Park ave.
Jackson, V. 3 *b* 966 E. 167
Jackson, W. M. 1 *s* 966 E. 167
Jacobs, L. *ph* 28 Second Pl., Bklyn.
Jacobs, P. P. *pl* 105 E. 22
Jacobs, W. A. 1 *l* Livingston
Jacobson, M. W. 1 *c*
1858 Seventh ave.
Jacobson, S. L. 4 *t* 602 W. 135
Jacques, H. C. 1 *c*
539 Manhattan ave.
Jágendorf, M. A. 1 *c* 565 W. 113
Jaggard, A. G. 4 *b*
417 Hancock, Bklyn.
Jahelka, R. *f a* Elmhurst, L. I.
Jahn, G. A. 3 *s* 413 W. 117
James, M. N. 3 *t* 184-4, Newark
James, R. T. *ph* 415 W. 118
Jameson, C. B. *gr t* 449 W. 123
Jansen, T. C. 2 *s* 544 W. 113
Janvrin, E. R. P. 4 *m*
191 Madison ave.
Jaques, G. W., Jr. 2 *l*
112 W. Jersey, Elizabeth, N. J.
Jaques, M. V. 3 *b*
112 W. Jersey, Elizabeth, N. J.
Jaros, A. L., Jr. 2 *s* 112 and B'way
Jarrett, B. A. 3 *t*
188 Claremont ave.
Jeanneret, L. E. 2 *s*
60 Everett Pl., E. Rutherford
Jefferson, C. E. *ph* 121 W. 85
Jefferson, I. D. (Mrs.), 4 *t*
510 W 135
Jenkins, E. B. *nm b* 562 W. 144
Jenkins, E. B. 4 *t* 144 & B'way

- Jenkins, H. B. 2 s
282 Manhattan ave.
- Jenner, W. A. gr t 511 W. 122
- Jennings, E. A. 1 m 346 W. 57
- Jennings, K. T. 3 t Whittier
- Jennings, R. C. phar Summit
- Jessup, H. F. 4 t 522 W. 123
- Jewell, I. E. gr t 431 W. 121
- Jiniskian, Y. H. 3 t
278 Prospect ave., Mt. Vernon
- Jobe, M. L. pl 400 W. 118
- Joerg, A. N. 3 c
531 Beech, Richmond Hill
- Joffé, B. nm t 530 W. 123
- Johnson, E. B. 4 t 94 Lawrence
- Johnson, E. F. 3 t Whittier
- Johnson, E. P. gr t 523 W. 122
- Johnson, H., Jr. 1 l
575 Dean, Bklyn.
- Johnson, L. A. gr t 1444-53 Bklyn.
- Johnson, L. E. 2 b 460 W. 152
- Johnson, P. D. 4 b 128 W. 11
- Johnson, W. C. 4 m 231 W. 69
- Johnston, H. f a 614 W. 113
- Johnston, M. A. 2 b
774 West End ave.
- Johnstone, C. F. 1 s 618 W. 113
- Jollon, A. J. 3 l
125 Vernon ave., Bklyn.
- Jones, C. C. 3 t P. S. 38, Clarke
- Jones, E. C. 3 t 618 W. 114
- Jones, E. T. 1 b
1 Midland ave., White Plains
- Jones, J. D. 3 c 881 Third ave.
- Jones, L. T. ph Whittier
- Jones, S. M. 4 t Whittier
- Jordan, C. P. 4 s 510 W. 124
- Joseph, M. J. ph 604 W. 115
- Joseph, E. 4 b 321 Riverside Drive
- Jud, F. C. 1 b
119 Franklin, Jersey City
- Judd, E. F. 4 t Livingston
- Judson, L. 3 l 725 E. 161
- Junghans, B. J. 1 b
871 St. Nicholas ave.
- Kaestner, A. C. 3 s
1418 Clinton ave.
- Kahn, C. 1 b 411 State, Bklyn.
- Kahn, J. nm l Livingston
- Kahn, L. ph 1 E. 111
- Kain, W. F. 1 l 425 W. 118
- Kalaidjian, M. T. ph
Nyack, N. Y.
- Kalbfleisch, E. 3 t Whittier
- Kaley, W. K. 4 t
- Kandel, C. 2 s 22 First ave.
- Kandel, I. L. gr t Livingston
- Kane, J. I. 3 s Ossining
- Kanokogi, K. ph 700 Park ave.
- Kantor, J. L. 1 m 386 E. 143
- Kapp, E. M. 1 s 350 W. 122
- Kato, T. pl 318 W. 135
- Kätz, E. J. 4 c 249 E. 68
- Katz, S. M. 1 m
1613 Pitkin ave., Bklyn.
- Katzenstein, C. J. 2 l 353 W. 119
- Kavanagh, M. I. ph
341 Webster ave., L. I. City
- Kayser, C. E. 4 c 71 E. 87
- Kayser, R. B. 1 s 531 W. 113
- Keagey, E. ph 615 W. 136
- Kear, C. E. 1 s 24 Rochelle Pl.,
New Rochelle
- Kearney, G. S. 2 s Livingston
- Kearney, L. I. 3 t 223 E. 39
- Keator, B. 1 c 543 Madison ave.
- Keator, R. M. 3 s 543 Madison ave.
- Keenan, I. D. 1 b
70 Third Pl., Bklyn.
- Keep, A. B. pl Hartley
- Keese, M. A. 4 t
- Keil, G. K. nm c
Kyle Institute, Flushing
- Keil, G. W. 1 m
1 Woodbine ave., New Rochelle
- Keller, F. J. gr t
776 North Oak Drive
- Keller, F. R. 2 s Livingston
- Kelley, E. 4 t
- Kelley, M. R. 3 t 66 W. 104
- Kelley, W. E. 2 l
1925 Seventh ave.
- Kellogg, A. B. 1 l 2609 Broadway
- Kellogg, W. A. 1 m 104 W. 58
- Kells, L. C. 3 l
174 St. Nicholas ave.
- Kells, O. A. 4 m
174 St. Nicholas ave.
- Kellsey, J. D. 4 t Englewood
- Kellsey, M. S. 3 t
- Kelly, D. J. K. 1 c
2915 Ft. Hamilton ave., Bklyn.
- Kelly, E. E. 4 c
1088 Lafayette, Bklyn.
- Kelly, L. C. 2 l Hartley
- Keltner, R. H. pl 318 W. 57
- Kemna, C. 3 t Larchmont
- Kemp, J. T. 1 c 211 W. 139
- Kemp, M. C. B. pl Livingston
- Kempton, E. M. 2 b
9 Van Corilandi Park ave., Yonk.
- Kendall, B. W. p 507 W. 124
- Kendall, E. C. p 531 W. 113

Kendrick, J. nm b 237 E. 104
 Kennedy, F. W. 4 s 758 Ave A., Bayonne
 Kennedy, M. S. ph 124 W. 126
 Kennedy, M. T. pl 700 Park ave.
 Kennedy, R. H. 1 m 549 W. 144
 Kennedy, W. W. 2 s 15 W. 73
 Kenney, M. F. 4 b 358 E. 2, Plainfield
 Kent (Mrs.), H. M. f a 82 W. 5, Bayonne
 Kent, T. 2 l Hartley
 Kentwell, L. K. 3 l Livingston
 Kenyon, H. R. f a 2100 Lexington ave.
 Keppler, E. A. C. ph 220 W. 107
 Kerns, F. M. 4 t Whittier
 Kerr, L. 3 b B'way and 103
 Kerr, M. 1 b 100 Highland ave., Yonkers
 Kesler, M. 3 t Emerson
 Kessler, G. W. pl Livingston
 Ketcham, G. F., Jr. f a 331 Adelphi, Bklyn.
 Ketchum, A. S. 2 c 667 Teasdale Pl.
 Ketchum, F. L. 1 c 667 Teasdale Pl.
 Keyes, H. B. 3 m 46 E. 25
 Keyes, R. K. ph 27 Monroe, Bklyn.
 Kiendl, T., Jr. 3 c 105 Penna ave., Bklyn.
 Kieran, M. A. 4 t 641 Crotona Park, North
 Kilpatrick, W. H. gr t Livingston
 Kilroe, E. P. pl 357 W. 119
 Kimball, R. 4 t Whittier
 Kimbel, W. A. 4 c 320 W. 104
 King, E. E. ph 184 W. 135
 King, E. V. 3 t Whittier
 King, F. R. f a 20 E. 84
 King, H. L. p 511 W. 112
 King, L. A. 3 t Hartley
 King, L. R. A. 2 c Hartley
 King, M. B. 3 b 798 Valley Rd., Upper Montclair
 King, O. J. K. 1 b 69 W. 94
 King, T. E. 2 s 618 W. 113
 Kingsley, M. A. p 515 W. 111
 Kinkead, B. R. ph 385 Central Pk. W.
 Kinney, H. D. p Livingston
 Kinney, W. 2 c 314 W. 72
 Kinsman, R. E. 2 s 348 W. 87
 Kinyon, E. 3 t Livingston
 Kirby, R. T. 3 c 54 Morningside Drive

Kirby, V. R. 4 t Whittier
 Kirchberger, E. ph 186 W. 135
 Kirchwey, D. B. 3 b 908 St. Nicholas ave.
 Kirchwey, K. W. 1 l 908 St. Nicholas ave.
 Kirk, D. 2 s Hartley
 Kirkham, O. A. 3 t 543 W. 123
 Kirkley, F. 4 t Whittier
 Kirkpatrick, T. B. 3 t Livingston
 Kirschberg, M. 2 s 30 W. 128
 Kishida, Y. ph 700 Park ave.
 Kislovsky, A. D. 2 s 263 W. 112
 Kissell, M. L. 4 t 417 W. 120
 Kistler, L. Gregory 4 c 429 W. 117
 Klaus, H. 1 m 102 Manhattan ave., Jersey City
 Klebe, K. B. phar 99 Waverly, Yonkers
 Kleeberg, G. S. P. pl 3 Riverside Drive
 Klein, A. J. pl 700 Park ave.
 Klein, E. 4 s 262 W. 131
 Klein, G. C. 2 m 144 W. 65
 Klein, L. 3 c 105 W. 136
 Klein, L. 3 c 57 Seventh
 Klein, W. f a 214-33, Woodcliff, N. J.
 Klepper, M. R. 2 l Livingston
 Klingenstein, J. 2 c 102 E. 79
 Kloster, V. E. 4 b 215 St. John's Pl., Bklyn.
 Klugescheid, R. C. 2 c 170 W. 89
 Knapp, C. W. 1 m Hartley
 Knapp (Mrs.), E. S. 4 t 34 Point, Yonkers
 Knapp, H. O. 2 s 35 W. 75
 Knapp, R. P. 2 m 161 W. 75
 Knickerbocker, W. E. ph 23 W. 129
 Kniffin, H. R. 4 t 523 W. 123
 Knight, J. J. f a 607 W. 113
 Knight, W. A. 700 Park ave.
 Knobloch, E. 4 s Livingston
 Knopf, A. A. 1 c Lawrence, L. I.
 Knott (Mrs.), E. 3 t 416 W. 118
 Knowlton, M. E. ph Whittier
 Kobbé, F. W. 2 l 142 E. 18
 Koch, E. H., Jr. p 421 Park Pl., Bklyn.
 Koeberlin, F. R. p 420 W. 121
 Koehler, B. K. 4 t 84 Kip ave., Rutherford
 Koenig, E. F. 1 c 28 W. 83
 Koenig, E. H. 1 c 10 E. 46
 Koenig, L. 2 c 80 W. 12
 Kohlberg, H. S. 4 s Hartley

- Koken, W. T. 4 s 531 W. 113
 Kolb, A. P. 3 t Whittier
 Kollen, E. M. 4 t Brooks
 Koller, M. A. 2 s
 1648 Amsterdam ave.
 Konta, G. 1 l 450 West End ave.
 Koo, V. K. W. 1 l Hartley
 Kopeloff, N. 1 c 824 E. 165
 Kopp, L. C. 1 c
 487 Knickerbocker ave., Bklyn.
 Korey, A. J. gr t 1236-53, Bklyn.
 Korn, A. R. pl 45 E. 74
 Korn, S. S. 2 c 238 E. 68
 Koss, I. G. 1 b
 226 Central Park W.
 Koster, J. W. 2 s
 Kozminsky, L. M. s Livingston
 Kozn, S. 401 W. 117
 Kraft, P. J. 3 c 919 Ogden ave.
 Kraft, W. J. 1 a 370 Convent ave.
 Krapf, E. F. phar
 1227 Madison ave.
 Kraus, H. E. 3 t Whittier
 Krauser, W. H. phar Livingston
 Krauss, F. I. 4 m
 12 Washington Pl., E. Orange
 Kreiner, L. M. 4 t
 224 Broad, Newark
 Kremp, L. M. K. nm s Hartley
 Krenning, E. A. ph Whittier
 Krim, S. S. 1 s
 203 Lewis ave., Bklyn.
 Krinsky, M. L. 2 c
 309 Bushwick ave., Bklyn.
 Krivulin, H. A. 4 s 70 E. 120
 Kronman, D. E. 1 m
 638 Lafayette ave., Bklyn.
 Kropff, A. H. p 136 W. 119
 Kruemmer, A. W. 2 s
 Kudlich, B. R. 4 c 153 W. 21
 Kudlich, H. F., Jr. 4 s 153 W. 21
 Kugel, D. A. 4 t 505 W. 122
 Kugler, A. A. 2 b 441 E. 134
 Kuhlmann, Alvin E. phar
 527 Union Place, Union, N. J.
 Kuhn, A. gr t 221 E. 123
 Kuhn, S. O. 2 c 221 E. 123
 Kulesha, Louis 1 s
 1430 Amsterdam ave.
 Kumamoto, S. pl Livingston
 Kumoi, K. pl 3153 Broadway
 Kunstler, M. B. 2 c 204 W. 136
 Kupfer, V. B. 4 b
 92 and Madison ave.
 Kutner, M. 1 b 140 W. 113
 Kutscher, S. 4 m
 100 Broad, Stapleton
- Kuzmier, G. P. 2 s 159 E. 49
 Lacy, F. T. 2 s 411 W. 115
 Lajon, T. C. 3 t 3320 Ft.
 Independence, Kingsbridge
 Laigle, M. L. ph 540 W. 122
 Lake, H. pl 8 E. 46
 Lalor, J. P. 3 t 417 W. 120
 Lamb, K. B. 1 s 360 W. 22
 Lambert, L. L. 3 t 118 W. 129
 Lambert, P. C. 1 b 606 W. 135
 Lamont, F. C. ph
 Lancaster, N. 3 t Whittier
 Lancer, J. J. 4 m
 1336 Washington ave.
 Landolt, P. E. 1 s 375-6, Bklyn.
 Landon, S. L. 2 s 19 E. 53
 Landru, L. E. 1 b
 365 Park ave., Paterson
 Landsman, S. 4 s 632 Ninth ave.
 Lane, A. M. 4 t
 97 Engle, Englewood
 Lane, F. M. 3 t 505 W. 122
 Lang, J. T. 1 a 53 Charlton
 Langer, W. 3 c Hartley
 Langley, R. H. 1 s 511 W. 146
 Langmuir, D. 3 c
 41 Church, Montclair
 Langstaff, B. M. 1 l
 19 Seventh ave., Bklyn.
 Langstaff, J. B. 1 c
 19 Seventh ave., Bklyn.
 Langworthy, H. T. 2 m 346 W. 57
 Laning, E. M. 4 t Verona, N. J.
 Lanzit, M. nm l 245 W. 111
 Lapolla, G. M. 3 c
 375 Pleasant ave.
 Larkin, M. E. ph Whittier
 Laroque, F. 2 s Livingston
 Lasch, J. S. 2 s 77 E. 109
 Lasher, D. M. 2 c 627 W. 115
 Lassman, B. 1 s
 1248 St. Nicholas ave.
 Latenser, J., Jr. 1 a Hartley
 Latham, D. E. 3 l 510 W. 124
 Latham, E. B. 4 s
 135 and Riverside Drive
 Latham, H. S. 4 c
 17 Pleasant Pl., Arlington
 Latham, M. E. p 417 W. 148
 Latham, M. L. gr t 500 W. 121
 Lathrop, E. A. 3 t 505 W. 122
 Latimer, E. L. 2 s Hartley
 Latimer, H. R. 2 s Hartley
 Lauber, A. W. pl Livingston
 Lauderburn, F. C. gr t 121 W. 91
 Laurent, H. P. 3 s 151 W. 95

- LaVake, R. T. 4 m
16 Holly, Cranford
- Lavandera, M. 4 m 419 W. 115
- Lawrence, E. E. 3 b 535 Union ave.
- Lawrence, E. V. ph Whittier
- Lawrence, G. A. pl
675 Madison ave.
- Lawrence, R. 3 c Hartley
- Lawsing, G. C. 1 m 149 W. 61
- Lawson, S. E. ph Madison
- Lay, S. E. nm b 2137 Fifth ave.
- Leach, A. A., Jr. 2 s
418 Dean, Bklyn.
- Leary, D. (B), Jr. 4 c Livingston
- Lebendig, A. 3 m
2968 Briggs ave.
- Lebowich, L. gr t 1486 Fifth ave.
- LeDuc, A. de L. ph Whittier
- Lee, E. C. 4 b Whittier
- Lee, E. H. 4 t 102 W. 136
- Lee, F. M. 4 t 38 W. 9
- Lee, M. T. p 378 Third, Bklyn.
- Lec, O. 3 b 531 W. 124
- Lee, W. M. 2 c 248 W. 127
- Leeder, J. A. 4 t
475 Manhattan ave.
- Leerburger, S. 1 b 306 W. 99
- Leers, H. ph
401 Straight, Paterson
- LeFever, A. A. L. 3 t
Scarborough, N. Y.
- Leggett, A. L. 4 t
49 Warren, Bklyn.
- Leiser, F., Jr. 2 s
682 Harman, Bklyn.
- Leissner, E. 1 l
1364 Lexington ave.
- Leland, A. P. ph
17 Madison Square
- Lemmon, W. G. 3 m
- Lenney, J. P. 3 t
15 Miller, Newark
- Lenohs, M. J. gr t 370 E. 145
- Leonard, C. W. 3 t
11 Schuyler Court, Bayonne
- Leopold, I. gr t 258 Monroe
- LeRoy, W. I. 4 t Livingston
- Leslie, E. H. 3 s 523 W. 113
- Lesser, M. L. 3 c 308 W. 88
- Leveridge, E. S. 1 b
277 E. Broadway
- Levin, I. H. 3 t
1911 Madison ave.
- Levin, L. A. O. 2 m 22 E. 120
- Levine, L. pl 442 Lorimer, Bklyn.
- Levine, M. p
1878 Lexington ave.
- Levine, M. ph 155 Madison
- Levine, M. 1 c
865 Myrtle ave., Bklyn.
- Levine, O. 4 c 48 W. 114
- Levinson, S. J. 1 c
372 Wallabout, Bklyn.
- Levinthal, I. H. 4 c 524 W. 122
- Levison, L. H. 3 c
112 Riverside Drive
- Levison, S. 1 s
183 Eighth ave., Bklyn.
- Levonian, L. K. gr t 346 W. 57
- Levy, A. K. 1 s
362 St. Nicholas ave.
- Levy, A. M. 2 l Livingston
- Levy, A. S., Jr. 2 l
110 Central Park W.
- Levy, B. 3 l 202 E. 68
- Levy, J. 4 b 202 E. 68
- Levy, J. 1 c 137-22, Bklyn.
- Levy, L. E. 1 s 317 W. 121
- Levy, L. M. 2 c 1893 Seventh ave.
- Levy, N. 2 s
98 Morningside ave. E.
- Levy, R. A. 3 b 1340 Madison ave.
- Levy, S. L. pl 5 Orchard
- Lewin, J. C. 4 s
- Lewinski, E. H. pl
1935 Clinton ave.
- Lewis, C. A. 2 b 87 Hamilton Pl.
- Lewis, E. D. pl 606 W. 115
- Lewis, F. R. 2 m
- Lewis, W. G. 4 t 155 Worth
- Lichtenstein, I. phar 863 E. 164
- Liebier, H. B. 2 c Livingston
- Lieberman, L. M. 1 m
404 St. Nicholas ave.
- Liebowitz, B. 2 s 31 W. 89
- Liebowitz, S. 4 c 31 W. 89
- Liff, Joseph, c 208 E. 7
- Lifshutz, I. A. 2 s
287 Division ave., Bklyn.
- Liggett, W. M. gr t
1785 Sedgwick ave.
- de Lima, A. A. pl 105 E. 22
- Lindemann, C., Jr. 1 s
- Lindsay, M. K. 3 m
- Lindsley, L. J. phar Livingston
- Lineberger, J. S. 3 s Livingston
- Linehan, P. H. p 607 W. 138
- Linn, P. H. 4 t Hartley
- Lipari, An. 1 c 305 E. 21
- Lippmann, H. M. 4 c 60 E. 91
- Lipstate, W. A. 4 s Hartley
- Liss, I. E., 1 m 1230 Fulton ave.
- Lissanev, A. W. 4 s
477 Central Park W.

- Liu, C. Y. 2 s Hartley
 Livengood, L. M. 1 l Livingston
 Lloyd, L. 3 c
 19 Euclid ave., Summit
 Lobeck, A. K. 2 c Haworth, N. J.
 Lobsenz, H. L. 1 c 338 E. 51
 Locke, L. L. p 404 Quincy, Bklyn.
 Locke, P. E. 4 s
 378 West End ave.
 Lockey, J. B. gr t Livingston
 Loder, G. E. 4 c
 Loebenstein, J. 1 s 67 E. 84
 Loebel, A. W. 1 c 911 Park ave.
 Loehrsen, A. 3 b 2133 Third ave.
 Loening, G. C. 2 s 48 W. 59
 Loewy, A. 4 s 468 Riverside Drive
 Logan, A. L. 3 t Whittier
 Logan, L. R. gr t
 56 Morningside ave.
 Logan, U. 4 b Pennsylvania ave.,
 Yonkers Park, N. Y.
 Lombard, J. O. 4 s Hartley
 Lombard, L. A. 3 t Bronxville
 Lomer, G. R. gr t 510 W. 124
 Lommel, G. L. 2 s
 502 Manhattan ave.
 London, I. E. 1 b 64 W. 115
 Long, D. 3 b Brooks
 Long, E. O. p 171 E. 83
 Long, W. B. 3 m 144 W. 65
 Loomie, L. S. 4 s
 36 Morningside ave., E.
 Loomis, A. M. gr t 417 W. 121
 Loomis, F. D. pl
 10 Academy, Newark
 Loomis, H. N. gr t 3149 Broadway
 Lopez, B. E. pl
 191 Lincoln Pl., Bklyn.
 López, E. A. 2 m 237 E. 27
 Losee, F. I. pl
 224 Broad, Bloomfield
 Lothrop, A. P. p Hartley
 Loughren, N. A. 1 b
 337 Marshall, Elizabeth
 Louria, A. L. 3 c
 249 Hewes, Bklyn.
 Love, F. S. pl Livingston
 Love, G. S. 1 l Livingston
 Lovejoy, J. M. 2 s Fairview Pl.,
 New Rochelle
 Lovell, G. G. 2 b 202 W. 82
 Lovell, R. E. 1 c
 Loveman, M. H. 4 c 210 W. 139
 Low, C. L. 4 t 312 W. 112
 Low, J. F. 1 s 36 Quinn, Stapleton
 Lowe, D. V. 2 s
 Chestnut, Englewood
 Lowenstein, A. G. 1 c 13 Market
 Lowenthal, E. pl Brooks
 Lowrey, M. S. 3 t 153 Riverside Dr.
 Lozano, F. C. f a 225 W. 109
 Lubarsky, L. H. p 1806 Anthony
 Lucas, J. M. 4 t
 827 President, Bklyn.
 Lucas, W. H. gr t Livingston
 Luccock, H. E. pl 41 E. 69
 Ludwig, A. gr t
 227 N. Henry, Bklyn.
 Luhman, C. 2 c 22 Sickles ave.,
 New Rochelle
 Lührs, I. 4 c
 153 North, Jersey City
 Lukens, E. F. 3 s 304 W. 109
 Lund, F. N. 4 s Bronxville
 Lunn, R., Jr. nm c
 66 Brinkerhoff, Jersey City
 Lupold, H. S. 3 t 162 W. 129
 Lupton, J. R. 4 t 503 W. 121
 Lustgarten, A. 2 b 532 W. 126
 Luth, E. H. 4 t 54 W. 105
 Lyle, E. K. pl
 163 Joralemon, Bklyn.
 Lyman, A. 4 t 420 W. 124
 Lyman, G. D. 4 m 231 W. 69
 Lyman, R. C. ph 2 St. Nicholas Pl.
 Lynch, G. A. 4 t 102 E. 101
 Lynch, H. J. 1120 Amsterdam
 Lynch, J. J. 3 c 320 Fifth, Bklyn.
 Lynch, K. D. 2 m
 615 Charles, West Hoboken
 Lynch, L. O. 3 t
 Tremont and Anthony ayes.
 Lyon, C. H. nm t
 Lyon, H. B. 3 t 88 Madison ave.
 McAlpin, K. R. 3 m 55 W. 33
 McArdle, W. H. 1 s Hartley
 McBee, S., Jr. 1 l Livingston
 McBride, C. A. phar
 310 Mortimer ave., Rutherford
 McCanliss, L. E. 2 l Livingston
 McCann, E. Owen 3 s 507 W. 124
 McCann, M. D. 3 b
 69 Ashford, Bklyn.
 McCarthy, M. F. 2 l 152 W. 91
 McCarthy, Theo. 3 l 137 W. 120
 McChesney, John, ph Livingston
 McChesney, P. E. 2 m
 Greenwich, Conn.
 McChristie, J. C. 1 l
 1058 Cauldwell ave.
 McChrystal, M. A. 2 s 113 W. 76
 McClatchy, C. K. 1 c Hartley
 McClelland, G. F. 1 s 515 W. 111

McClelland, G. H. *pl*
319 S. Fifth, Bklyn.
McClelland, J. J. *pl*
700 Park ave.
McClelland, M. J. 3 *t* Dobbs Ferry
McClenaghan, M. A. 3 *t* Whittier
McClenahan, E. M. 2 *b*
121 E. 40
McConnell, L. G. 3 *c* Hartley
McConnell, L. W. 2 *s* 522 W. 123
McConnell, N. G. 3 *t* Whittier
McConnell, R. E. 3 *s* 616 W. 113
McCormack, J. P. *p*
New Brighton
McCoun, F. H., Jr. 4 *c* 39 W. 84
McCourt, J. A. 1 *m*
154 Hull, Bklyn.
McCreery, J. A. 3 *m*
350 Lexington ave.
McCorken, E. P. 4 *s* 135 W. 92
McCorken, J. J. 1 *m* 135 W. 92
McCulloch, P. L. 4 *s* 616 W. 113
McCully, F. M. 4 *t* 541 W. 123
McCully, May S. 4 *t* 541 W. 123
McCune, Grace, 4 *t* Whittier
McDavid, H. W. 1 *l* Livingston
McDonald, J. O. 4 *m* 346 W. 57
McDonald, M. F. *gr t*
229 Clifton Pl., Bklyn.
McDowell, M. C. 4 *t* Whittier
McGill, N. W. 2 *l* Hartley
McGinley, A. A. Whittier
McGinness, F. V. 3 *s*
98 Decatur, Bklyn.
McGovern, R. A. 2 *s* 122 W. 77
McGowin, M. O. 4 *t* 501 W. 123
McGrath, J. G. 1 *b* 501 W. 121
McGrath, W. J. *gr t* 621 W. 181
McGregory, M. A. *pl* Whittier
McIlroy, S. H. 4 *t*
905 S. 16, Newark
McIntyre, K. A. 2 *s*
160 S. 9th ave., Mt. Vernon
McIver, F. F., Jr. 1 *s*
Spuyten Duyvil
McKanna, E. A. 3 *s* 523 W. 113
McKee, G. I. 1 *b*
Port Washington
McKeen, E. 4 *t* Whittier
McKeever, E. J. 2 *b* 17 Bank
McKenna, M. C. *nm t* 511 W. 122
McKenney, W. J. *f a* 531 W. 113
McKenniss, H. *gr t* Livingston
McKenzie, A. Jr. 2 *s*
McKenzie, I. 1 *b*
67 Lenox ave., E. Orange

McKcown, M. J. 3 *t*
762 West End ave.
McKeown, S. A. 2 *s*
762 West End ave.
McKim, C. L. *pl*
37 Fairview, Yonkers
McKinlay, C. M. 2 *m*
Tenafly, N. J.
McKinney, F. C. 3 *l* 355 W. 55
McKnight, E. M. 3 *t*
49 Claremont ave.
McKnight, J. A. *gr t* 501 W. 122
McKone, C. W. *p* Livingston
McLaughlin, C. F. 2 *l* Hartley
McLaury, C. H. *ph* 501 W. 121
McLaury, F. *nm l*
54 Morningside ave., E.
McLean, E. H. 1 *m* Livingston
McLean, M. 4 *b* Port Washington
McLeod, K. C. 3 *t* Whittier
McLoughlin, A. S. *gr t*
New Rochelle
McLoughlin, J. B. 3 *l*
Valentine and 199
McLoughlin, Wm. G. 1 *l*
558 Jersey ave., Jersey City
McMickle, Levi B. *pl* Madison
McMillen, E. *ph* 18 W. 103
McNally, K. M. 4 *t*
200 Riverside Drive
McNeely, E. *pl* Whittier
McPherson, H. 3 *b* 211 W. 85
McRae, F. E. *p* 111 W. 104
McVey, F. M. 3 *t* Whittier
Mabrey, H. R. 4 *t* Whittier
Macavoy, C. H. *ph*
188 Claremont ave.
MacColl, R. J. 3 *c* 502 W. 113
MacCulley, E. M. 2 *b* 64 W. 96
MacDermott, S. S. 1 *s* 323 W. 84
MacDonald, L. A. 1 *b*
586 Summer ave., Newark
Macdougall, E. E. 3 *t*
117 Wadsworth ave.
MacGuire, C. J., Jr. 2 *m* 120 E. 60
MacKay, J. K. 1 *b* 116 W. 102
Mackby, J. *f a* 2 W. 117
Mackenzie, E. H. 2 *c* 604 W. 114
Mackenzie, R. 1 *c* 604 W. 114
Mackintosh, J. H. 2 *c* Hartley
MacLachlan, C. F. *ph* 505 W. 112
MacLean, D. C. *p* 31 W. 129
MacLear, A. B. *pl* 531 W. 124
MacLear, M. 4 *t* 531 W. 124
Macmahon, A. W. 1 *c* Rutherford
MacMurray, C. F. 3 *b*
11 Division ave., Nyack

- MacNab, M. H.* 4 t
 1105 Amsterdam ave.
MacRossie, W. 2 c
 1981 Madison ave.
Macy, J. W. 1 l Hartley
Madison, H. T. pl
 1245 Amsterdam ave.
Maffucci, M. 2 m
 30 and Lexington ave.
Magaw, M. 4 t
Magee, L. L. 3 t
 992 Woody Crest ave.
Magee, N. M. 3 t
 212 Warburton, Yonkers
Maguire, C. F. 2 c 118 W. 84
Mahler, A. B. nm t
 1970 Hughes ave.
Mahon, D. H. 2 b 229 W. 138
Mahon, R. V. 3 c 229 W. 138
Maison, E. N. 2 b Rutherford
Malcomson, A. B., Jr. nm s
 Freeport
Malcomson, M. D. 3 s Orange
Maller, J. 3 s 239 E. 13
Mallery, O. T. pl
Mallory, P. R. 1 l
 128 Columbia Heights, Bklyn.
Mallory, V. S. 1 c
 1 Mt. Morris Park, W.
Maloney, J. M. 1 c 421 E. 57
Manchester, M. I. 4 t Whittier
Mancusi-Ungaro, M. E. 1 s
 86 Mt. Prospect ave., Newark
Mandel, L. M. 3 b 135 Ave. C
Mandeville, F. N. 4 m
 256 Clinton ave., Newark
Manguse, Wm. P. ph 541 W. 124
Manheimer, W. A. p 510 W. 124
Manheims, P. J. 1 m 154 W. 129
Mann, C. F. 3 t
 12 Adams, Mt. Vernon
Mapes, M. C. 4 s 531 W. 113
Marchmont, J. H. 3 c Hartley
Marcus, B. K. 2 c
 315 Riverside Drive
Marcus, C. 4 s 564 West End ave.
Marcus, C. L. 4 c
 315 Riverside Drive
Marcus, D. D. nm c
Marder, J. D. 3 s 222 W. 122
Margolis, D. 2 s 12 E. 113
Margoshes, Samuel ph
 309 S. 3, Bklyn.
Markham, R. H. ph 700 Park
Marks, L. E. 3 t 64 Delancey
Markwitz, A. f a
 886 Park ave., Bklyn.
- Marsh, A. G.* 3 s 558 W. 113
Marsh, L. H. 3 t Butler, N. J.
Marsh, W. J. p 400 W. 118
Marshall, C. A. 3 t Whittier
Marshall, E. S. R. 3 t 425 Grand
Marshall, G. 3 t Whittier
Marshall, G. M. 2 c
 Elmhurst, N. Y.
Marshall, M. 3 t Whittier
Marten, M. E. phar 39 W. 16
Martin, A. C. 1 b
 43 Astor Pl., Jersey City
Martin, A. K. 1 c 415 W. 118
Martin, C. J. 4 t Livingston
Martin, D. M. 2 l 44 W. 40
Martin, E. 3 t 510 W. 124
Martin, E. M. 3 b
 1 Kearny ave., Perth Amboy
Martin, I. L., Jr. nm l 531 W. 113
Martin, J. 4 t 503 W. 121
Martin, J. C. p 436-54, Bklyn.
Martini, A. S. 4 t 612 W. 184
Martland, R. 3 m
 1138 Broad, Newark
Marty, J. L. 4 t Whittier
Marum, M. G. 2 s
 54 Hillside ave., West Orange
Marvin, H. H. p 503 W. 122
Marwick, R. H. 3 s
 2340 Seventh ave.
Maschmedt, M. R. 1 b
 62 Orchard, Astoria
Mason, F. L. 4 s 342 E. 152
Massell, A. S. gr t
 1772 Madison ave.
Masters, M. P. 4 t Whittier
Matheo, F. 3 t 2119 Fifth ave.
Mathews, A. W. 4 t
 1115 Amsterdam ave.
Mathews, E. A. 1 b
 2333 Washington ave.
Mathewson, C. A. p 525 W. 182
Matteson, F. M. 4 t 430 W. 118
Matthews, H. B. 4 m
Matz, L. 4 s 94 and Riverside
Maul, W. F. nm c Livingston
Maurer, Geo. L. 1 c Hamilton
Maurer, H. B. f a Hempstead
Maurice, A. T. 3 l Livingston
Maurice, S. M. 1 c Mamaroneck
Maxwell, V. D. 125 Manhattan
Mayer, B. R., Jr. pl Hartley
Mayer, C. 4 s 41 E. 72
Mayer, L. 4 m
 136 and Riverside Drive
Mayer, L. S. 1 b 135 W. 81
Mayer, T. 2 b 41 E. 72

Mayer, V. *nm t*
853 St. Nicholas ave.
Mayers, L. S. *2 c* *310 W. 80*
Mayne, E. *3 t* *Whittier*
Mazier, T. A. *1 l*
104 St. Mark's ave., Bklyn.
Mead, C. B. *ja* *614 W. 113*
Mead, C. S. *p* *146 W. 83*
Meadows, T. *4 t* *Whittier*
Megrew, G. *1 l*
Mehler, E. S. *ph*
619 West End ave.
Mehler, L. *4 c* *619 West End ave.*
Mei, H. C. *1 c* *457 W. 123*
Meier, G. E. *3 b*
2263 Aqueduct ave.
Meise, A. J. *ja*
59 Barker Ave., Bklyn.
Meisel, C. J. W. *2 c* *458 W. 142*
Melitzer, S. *4 c* *246 Rivington*
Mellen, H. L. *3 c* *Hartley*
Mellick, A. C. *ph* *316 W. 84*
Melville, J. W. *4 c*
162 Columbia Hgts., Bklyn.
Melville, N. J. *ph*
127 St. Felix, Bklyn.
Meman, H. W. *3 s* *404 W. 115*
Mendelsohn, A. *2 s* *611 W. 114*
Mendelson, A. *1 m* *18 E. 113*
Mendelsohn, C. J. *ph*
Menefee, A. B. *3 s* *627 W. 115*
Merchant, E. O. *pl* *503 W. 122*
Merlis, I. *3 s* *3 Rutgers*
Merrett, C. C. *ph* *Brooks*
Merrill, V. I. *ph* *Whittier*
Merriman, C. *gr t* *428 W. 124*
Merriman, M. L. *p.* *3305 B'way*
Merriss, M. H. *3 s*
346 Stuyvesant ave., Bklyn.
Messenger, H. A. *p* *303 W. 22*
Messer, W. S. *ph* *Barnard School*
Messing, M. K. *2 b*
78 Broad, Stapleton
Metzger, L. G. W. *ph* *Whittier*
Meusch, S. H. *ja*
1116 Bushwick ave., Bklyn.
Meyer, C. L. *4 s*
Meyer, E. G. *2 s* *108 W. 124*
Meyer, F. A. *gr t*
15 Cedar Pl., Yonkers
Meyer, H. H. *gr t* *150 Fifth ave.*
Meyer, M. E. *ja* *501 W. 123*
Michael, J. *pl* *146 W. 121*
Michtom, J. S. *2 c*
53 Troutman, Bklyn.
Middleton, F. *4 t*
306 St. Nicholas ave.

Milholland, W. H. *2 l* *Livingston*
Milkman, W. B. *1 l*
244 Garfield Place, Bklyn.
Miller, A. D. (Mrs. H. W.) *p*
62 E. 53
Miller, D. G. *4 s* *605 W. 112*
Miller, E. *3 t* *123 W. 93*
Miller, E. H. *4 b* *73 E. 92*
Miller, F. *2 s* *Westchester*
Miller, H. R. *2 m*
446 Willoughby ave., Bklyn.
Miller, J. *3 t* *Whittier*
Miller, K. D. *1 l* *109 E. 73*
Miller, M. C. *3 t* *117 W. 115*
Miller, M. F. *3 t*
2394 Seventh ave.
Miller, M. R. *4 t*
51 Carlton Pl., Westfield
Miller, O. L. *ph* *700 Park ave.*
Miller, R. C. *1 s* *413 W. 117*
Miller, R. E. *4 t*
Miller, S. H. *1 c* *Hartley*
Miller, W. A. *gr t*
Matawan, N. J.
Miller, W. R. *2 s* *219 W. 80*
Mills, J. M. *1 m*
Mills, M. A., Jr. *2 l* *Hartley*
Miltenberger, A. L. *4 s*
1000 Amsterdam ave.
Miltenberger, W. *4 s* *Hartley*
Minahan, M. E. *4 t* *Whittier*
Miner, C. E. *pl*
832 St. Nicholas ave.
Miner, R. W. *p*
Minkin, J. S. *ph* *307 W. 112*
Minor, J. H. *3 c* *417 W. 117*
Minor, S. B. *2 b* *Brooks*
Mirsky, I. *p* *182 E. 72*
Misch, A. I. *1 b* *305 E. 161*
Mitchell, I. T. *nm t* *Whittier*
Mitchell, J. P. *ph* *416 W. 118*
Mitchell, J. R. *3 t* *Whittier*
Mitchell, M. K. *3 t* *417 W. 121*
Mittag, F. O., Jr. *p* *500 W. 121*
Mixsell, H. R. *3 m* *350 W. 71*
Modell, David A. *gr t* *20 E. 100*
Moeller, S. A. *4 t* *341 W. 57*
Moffett, H. C. *1 s* *523 W. 121*
Mohrmann, W. *pl* *425 W. 118*
Moitrier, W. *Jr. 3 c* *Hartley*
Mollenhauer, V. M. *3 b*
2178 Grand ave.
Mombert, A. T. *3 t*
313 Fifteenth ave., Paterson
Monheimer, M. *1 c* *Livingston*
Monikura, S. *pl* *700 Park ave.*
Monsky, J. *4 t* *318 E. 9*

- Monteser, M. J. 3 b
 605 Van Cortlandt Park ave.
 Montgomery, G. L. 2 s 352 W. 117
 Montgomery, S. L. nm t
 Whittier
 Montgomery, W. B., Jr. 4 s
 Livingston
 59 Perry
 Moon, E. A. p
 Mooney, J. F. nm c
 Moore, A. E. 3 t 417 W. 118
 Moore, A. P. 1 c
 135 Franklin, Astoria
 Moore, B. F. pl 417 W. 120
 Moore, F. W., Jr. 3 m
 408a Clinton, Bklyn.
 Moore, F. W. 3 s Livingston
 Moore, G. A. nm b 109 E. 38
 Moore, J. A. ph 253 W. 93
 Moore, J. I., Jr. 1 s
 1787 Undercliff ave.
 Moore, P. N. 3 s Hartley
 Morales, E. A., Jr. 2 c 425 W. 118
 Morales, L. f a 210 W. 107
 Moran, K. M. gr t Whittier
 Mordaunt, E. J. ph 313 W. 104
 Mordecai, E. C. 2 b 319 W. 105
 Mordecai, L. M. 1 b 319 W. 105
 Morecroft, J. H. p
 122 St. James Pl., Bklyn.
 Morelock, O. J. gr t 149 W. 91
 Moremen, M. L. 2 l Hartley
 Morewood, F. E. f a 413 W. 117
 Morgan, C. E. ph
 1173 Bushwick ave., Bklyn.
 Morgan, T. C. 4 c
 1173 Bushwick ave., Bklyn.
 Morgan, W. R. 4 c 520 W. 123
 Morgenstern, A. F. nm b
 45 W. 88
 Moriarty, M. L. 4 t
 308 Hawthorne ave., Yonkers
 Morrey, W. T. pl 535 W. 111
 Morrill, O. C. 3 s 205 W. 109
 Morris, A. B. 3 c
 169 Warren, Bklyn.
 Morris, D. A. 4 s 130 W. 129
 Morris, D. H. pl 68 Broad
 Morris, D. H. 4 m 611 W. 113
 Morris, E. M. 1 b
 1477 Webster ave.
 Morris, E. S. 3 t Piermont, N. Y.
 Morris, F. K. p 207 Seventh ave.
 Morris, F. M. f a
 Morris, G. W. 1 l Livingston
 Morris, M. F. 3 t
 1228 Madison ave.
 Morris, M. J. p 207 Seventh ave.
- Morris, N. H. 4 t 501 W. 120
 Morris, P. 1 s 32 St. Mark's Pl.
 Morris, S. ph 417 W. 118
 Morrissey, A. I. 3 t 171 E. 69
 Morrison, C. E. 3 t
 159 Academy, South Orange
 Morrison, G. L. 3 t 511 W. 122
 Morrison, I. D. 1 b 309 W. 86
 Morrison, K. M. 3 t Whittier
 Morriss, A. D. 2 s 612 W. 116
 Morrow, R. L. 2 s 66 W. 40
 Morse, F. E. 1 c
 129 St. James Pl., Bklyn.
 Morse, H. N. pl 700 Park ave.
 Morse, J. K. f a Hartley
 Mortimer, A. S. 2 l 67 W. 71
 Mosenthal, W. J. gr t 16 W. 85
 Moser, L. V. ph 415 W. 118
 Moses, A. gr t 220 W. 107
 Moses, E. F. 3 c 222 E. 61
 Moses, J. gr t 422 E. 9
 Moses, R. 3 b 103 W. 88
 Mosher, E. H. 1 s 530 W. 124
 Mosher, J. A. ph Livingston
 Moss, A. B. 4 c 306 E. 120
 Moss, H. H. 1 s 531 W. 113
 Moss, R. L. 2 b
 320 St. Nicholas ave.
 Mothershead, A. M. ph
 Briarcliff Manor, N. Y.
 Mott, F. D. 2 s
 309 Nelson ave., Peekskill
 Mott, J. W. 4 c 523 W. 113
 Mott, W. W. 4 m 166 W. 121
 Mount, F. R. 1 m
 Mount, G. 2 m 437 W. 59
 Mountsier, M. pl 400 W. 118
 Mucklow, W. B. 4 s 614 W. 113
 Mudd, H. S. 1 s Livingston
 Mudgett, B. D. pl Livingston
 Mulholland, V. I. 3 s
 2582 Marion ave.
 Mullen, J. H. 3 c 60 E. 127
 Mullen, L. B. p
 135 Moffatt, Bklyn.
 Müller, F. s 1198 Franklin ave.
 Muller, H. J. 2 c 166 W. 122
 Munroe, A. E.
 207 Lincoln Pl., Bklyn.
 Munson, D. G. ph
 1052 Lincoln Pl., Bklyn.
 Murch, H. D. 4 b 9 Broadway
 Murai, Y. pl 700 Park ave.
 Murchie, M. I. 4 t
 1264 Amsterdam ave.
 Murphy, C. A. 3 l Livingston
 Murphy, D. 1 l 40 E. 49

Murphy, E. A. 1 s Livingston
 Murphy, F. V. 3 t 511 W. 122
 Murphy, G. F. 4 s
 497 Manhattan ave.
 Murphy, H. C., Jr. f a Hartley
 Murphy, J. F. f a Hartley
 Murphy, R. K. 3 s Livingston
 Murray, C. R. 1 m 725 Home
 Murray, H. F. 1 m 514 W. 122
 Murray, J. A., Jr. 3 c 419 W. 147
 Murray, J. E. ph 527 W. 124
 Murray, J. N. 2 s 419 W. 147
 Murray, J. W. 3 t Whittier
 Murray, T. R. 4 c
 1245 Madison ave.
 Murray, V. B. 1 m
 111 Fordham Rd.
 Murray, W. S. pl 419 W. 121
 Murtagh, P. E. gr t
 Murland, Cleo. 3 t
 82 Morningside Ave.
 Musa, A. nm t 306 W. 116
 Muse, E. H. f a Livingston
 Musgrave, M. G. f a 161 E. 93
 Muste, A. J. ph
 New Brunswick, N. J.
 Myers, E. 1 b 411 W. 115
 Myers, S. M. nm l
 Nail, E. 307 W. 98
 Naman, W. W. 3 l 30 W. 44
 Nammack, C. H. 1 m 42 E. 29
 Nammack, E. F. ph
 Wadleigh High School
 Nammack, M. 3 b 42 E. 29
 Nash, L. 4 t Whittier
 Nasmith, A. I. ph 700 Park ave.
 Nason, A. H. ph
 University Heights
 Nassau, M. F. 4 t 520 W. 121
 Nathan, C. J. s 12 W. 74
 Nathan, S. 4 s 468 E. 9 Bklyn.
 Nauheim, M. 3 c
 96 Neilson ave., Far Rockaway
 Navarro, J. R. 3 s 557 W. 124
 Naylor, H. R. 2 s 423 W. 118
 Nealey, J. B. 2 c Hartley
 Needles, Cora B. ph 49 W. 9
 Neer, M. L. 4 t Whittier
 Neergaard, A. E. 3 m 151 W. 70
 Neighbors, C. H. 1 l Livingston
 Neilson, John p Larchmont, N. Y.
 Nelms, W. S. p Livingston
 Nelson, C. G. pl 700 Park ave.
 Nelson, E. J. gr t Clifton, N. J.
 Nesbit, W. M. ph Westwood, N. J.
 Nettles, A. S. 1 l Livingston

Neuman, A. 3 c 283 Grand
 Neumann, H. ph
 Haven ave. and W. 169
 Neville, E. S. 3 t
 704 Quincy, Bklyn.
 New, F. D. ph 462 Madison ave.
 Newbold, H. 4 b 508 W. 113
 Newbury, M. C. 3 nm t 710 E. 138
 Newell, A. P. 2 l 565 W. 113
 Newhouse, E. L. 2 c 627 W. 115
 Newman, C. A. P. pl
 958 Prospect ave.
 Newton, E. 2 s 419 W. 121
 Nicholas, A. V. A. 3 t 158 W. 101
 Nichols, E. W. nm b 42 W. 11
 Nicholson, J. H. gr t Whittier
 Nieman, H. W. 3 s 403 W. 115
 Niemann, B., Jr. 1 s 301 E 10
 Nienburg, F. J., Jr. 1 nm s
 390 W. 12
 Nieto, A. N. nm c Hartley
 Nieto, L. E. nm c Hartley
 Nifenecker, E. A. pl 585 W. 178
 Nighman, C. E. 4 c 523 W. 113
 Nigrin, J. V. 1 c 435 E. 86
 Nilson, S. J. 1 m
 662 Lexington ave.
 Nitchie, E. 3 b 137 Prospect Park,
 W. Bklyn.
 Nixon, L. E. ph 553 West End ave.
 Nixon, R. N. 3 t 148 W. 133
 Nobis, A. M. 1 b 151 W. 103
 Noble, M. B. ph 47 Claremont ave.
 Noble, R. 3 c 304 W. 77
 Noorian, N. T. 2 s 209 E. 29
 Norden, N. L. 4 c 101 W. 118
 Norris, G. 2 l Livingston
 Norsworthy, L. D. 4 s 557 W. 124
 Northrop, J. H. 1 c
 500 Warburton ave., Yonkers
 Noska, E. V. gr t 314 E. 163
 Nottingham, J. R. 3 b Brooks
 Novomesky, E. 2 s
 1412 Crotona ave.
 Noyes, F. K. pl Livingston
 Noyes, J. W. nm c 7 Park ave.
 Nye, B. H. 4 c
 118 Locust Hill ave., Yonkers
 Nyūray, E. 3 b
 983 Lexington ave.
 Nyūray, L. 1 b
 983 Lexington ave.
 Oakley, R. W. 1 s Hartley
 Oakley, T. P. 4 c 505 W 122
 Oakley, W. W. 3 c
 Ridgefield, N. J.

- Oberndorfer, M. 2 b
 81 and Col. ave.
 Obler, D. M. 3 s 192 Rivington
 O'Brien, D. D. 1 l 241 W. 111
 O'Brien, J. 3 c Hartley
 O'Brien, J. G. 4 b 247 Marcy ave.,
 Bklyn.
 O'Brien, M. B. 4 t 128 W. 95
 Ockers, L. E. 2 b 607 W. 116
 Ockert, F. W. 2 s 254 W. 104
 O'Connell, A. A. 3 t Whittier
 O'Connell, A. A. 2 l Livingston
 O'Connell, E. R. 2 c
 1 Convent Hill
 O'Connell, J. J., Jr. 3 c
 340 Dean, Bklyn.
 O'Connell, M. E. 1 b 370 W. 58
 O'Connor, F. F. 3 s Hartley
 O'Connor, V. A. 3 l
 698 Decatur, Bklyn.
 O'Connor, J. A. 2 m 30 W. 60
 Odell, B. B. nm c 627 W. 115
 Odell, L. S. p 1524-76, Bklyn.
 Odencrantz, T. C. p 838 E. 156
 O'Donnell, A. T. 3 b
 2681 Briggs ave.
 O'Donnell, H. nm c Hartley
 O'Donnell, M. M. A. 3 b
 2681 Briggs ave.
 O'Donnell, R. C. 1 s 359 W. 120
 Oelrich, P. F. 1 b 245 Rhode
 Island ave., E. Orange
 O'Farrell, E. ph New Rochelle
 Offner, R. 2 c 114 E. 54
 Ogburn, W. F. pl Hartley
 Ogden, A. 4 c 612 W. 116
 Ogden, C. J. ph 250 W. 88
 O'Gorman, A. M. 2 b 318 W. 108
 O'Gorman, J. M. 4 t Hartley
 O'Keefe, L. L. 4 t
 125 Lefferts Pl., Bklyn.
 Old, A. V. 3 t Westminster Hotel
 Oldham, M. 4 t Whittier
 Oliver, J. W. gr t Hartley
 Olsan, H. 4 m 55 W. 111
 Olson, B. gr t 1109 Amsterdam ave.
 O'Mahoney, J. C. 4 c
 82 Grinnell ave., Corona
 O'Neale, M. L. 3 s 417 W. 114
 O'Neill, H. W. O. 3 t 514 W. 134
 Oppenheim, E. 4 b 13 W. 88
 Oppenheim, L. J. 1 s 127 E. B'way
 Oppenheimer, F. ph 31 W. 74
 Oppenheimer, S. B. gr t 147 W. 78
 Orday, H. S. ph Asbury Park
 O'Reilly, J. A. 1 m 18 E. 131
 O'Reilly, V. 1 m 226 W. 137
 O'Rourke, M. 1 b
 19 Lake, White Plains
 Orr, Wm. C., Jr. 1 c 50 W. 76
 Osborn, S. R. 4 s
 Osborne, A. A. gr t
 5 Park Place, Newark
 Osborne, E. W. 3 c B'way and 73
 Osburn, M. H. (Mrs.) nm b
 510 W. 124
 Osias, C. 3 t 524 W. 123
 Osterhout, E. H. 3 c 604 W. 114
 Osterhout, W. B., Jr. 2 l
 423 W. 118
 O'Sullivan, T. F., 1 c 186 E. 79
 Ota, R. pl 175 W. 21
 Ottenberg, R. p 147 W. 118
 Otto, C. W. nm s
 525 Trinity ave.
 Outtersson, B. E. 4 t Whittier
 Outtersson, R. H. 4 t
 Overman, B. 4 s
 391 West End ave.
 Overton, M. L. 3 t
 155 Amity, Bklyn.
 Owens, J. L. 3 t 540 W. 159
 Paddock, E. H., Jr. 1 c 149 W. 72
 Paddock, L. 3 c 141 W. 70
 Paddock, R. 3 c 141 W. 70
 Paffard, H. T. 2 m
 238 Clinton, Bklyn.
 Pakas, M. A. 1 m 100 W. 80
 Palmer, A. F. 3 t 269 W. 122
 Palmer, E. A. 3 b 657 W. 183
 Palmer, L. A. gr t 235 E. 18
 Palmer, R. S. nm c 344 W. 84
 Palmer, W. F. 2 s Bona Vista,
 109 and Riverside Drive
 Panaroni, A. G. ph 460 W. 131
 Pandya, T. R. gr t
 1249 Amsterdam ave.
 Pardee, H. E. B. 4 m 74 W. 48
 Pardee, I. H. 1 c 74 W. 48
 Park, T. W. 3 s
 Parker, A. R. 2 s 160 W. 141
 Parker, G. C. nm l
 Parker, L. A. 3 t Whittier
 Parker, R. A. 1 s
 191 Claremont ave.
 Parkhurst, J. E. 3 t
 1169-85, Bklyn.
 Parks, J. L., Jr. 2 l 103 E. 21
 Parmelee, M. 4 t Whittier
 Parmenter, H. C. 3 t Whittier
 Parsons, A. M. 3 t Whittier
 Parsons, J. O. 1 c 143 W. 140
 Parsons, L. A. 3 s Hartley

Pascale, V. 3 m 49 Grove
 Pascarella, F. c
 Pasvalsky, E. pl 184 Eldridge
 Paterson, A. H. 2 s Livingston
 Paton, F. W. 4 m
 Paton, T. B., Jr. 2 c
 1000 Tinton ave.
 Patterson, E. L. 3 t Whittier
 Patterson, R. C., Jr. 2 s
 Livingston
 Patterson, S. W. gr t 343 W. 23
 Paul, E. M. 4 t 422 W. 115
 Paul, S. pl
 Paul, W. A. 4 c
 301 Academy, Jersey City
 Paulsen (Mrs.), H. B. nm t
 503 W. 122
 Payne, F. p 520 W. 123
 Peabody, J. O. 2 l
 224 Madison ave.
 Pearce, C. M. 2 s 616 W. 113
 Pearce, G. G. 1 m 346 W. 57
 Pearl, Joseph ph
 Pearson, C. C. pl Hartley
 Pearson, W. D. 3 c 158 W. 106
 Peaslee, A. J. 1 l W. 259
 Peck, A. J. pl 144 W. 78
 Peck, J. A., Jr. 3 s Pelham Manor
 Peiser, D. W. 2 l 52 E. 80
 Pell, H. C., Jr. f a 1 E. 41
 Pell, W. H. D. 4 c 404 W. 115
 Pendleton, C. 4 t Whittier
 Penfield, H. C. 1 s
 Riverside Dr., near 174
 Penny, A. M. 3 t Pelham, N. Y.
 Perham, B. E. 4 t 506 W. 122
 Perkins, E. C. 3 m 346 W. 57
 Perkins, J. 3 t 515 W. 111
 Pernessin, N. 3 t 600 W. 114
 Perrin, R. St. J. ph
 15 Gramercy Pk.
 Perrier, J. L. ph 220 E. 49
 Perrine, H. 4 s
 820 West End ave.
 Perry, M. J. 4 t 540 E. 76
 Peters, A., Jr. 1 c
 291 Hancock, Bklyn.
 Peters, G. E. 4 t Whittier
 Peters, G. L. 2 s
 410 Central Park W.
 Peters, W. F., Jr. 2 s
 410 Central Park W.
 Peters. W. R. P., Jr. 3 s 33 W. 49
 Petersen, L. S. 2 m 112 E. 85
 Peterson, A. E. pl 984 Trinity ave.
 Peterson, M. G. (Mrs.) 3 t
 984 Trinity ave.

Peterson, W. H. p Livingston
 Pettee, S. E. 4 t Whittier
 Peyser, H. F. 4 c 101 W. 80
 Peyton, G. S., Jr. 2 s 618 W. 113
 Pfeiffer, B. L. 1 s 111 Crary ave.,
 Mt. Vernon
 Pfeiffer, E. H. 3 c 2 W. 94
 Phelan, R. E. 3 s 127 W. 111
 Phelps, C. G. 3 t Whittier
 Phelps, W. W. 4 t Whittier
 Phillips, C. D. 4 t
 High Bridge, N. J.
 Phillips, E. 4 b 35 Riverside Dr.
 Phillips, E. A. G. 3 t 601 W. 144
 Phillips, E. S. J., Jr. f a 335 W. 71
 Phillips, H. E. 1 b Brooks
 Phillips, H. S. 4 b 35 Riverside Dr.
 Philp, M. I. ph 423 W. 118
 Philson, J. De L. 2 s Hartley
 Phipps, C. F. gr t 5 W. 93
 Phipps, H. M. 2 m 346 W. 57
 Picard, M. 2 c 421 W. 118
 Pickett, W. J. 4 t Hartley
 Pickhardt, O. C. 1 m
 1042 Madison ave.
 Pierce, M. B. 3 l Livingston
 Pierson, H. O. 2 l 608 W. 113
 de Pietro, N. ph 416 W. 23
 Pigott, C. 3 s Hartley
 Pineda, R. 1 s Livingston
 Pino, E. P. 1 s Hartley
 Pirsson, J. E. V. 3 t
 Milburn, N. J.
 Pitt, S. 1 s 523 W. 113
 Pittaro, J. M. 2 c
 2185 Second ave.
 Pitts, A. L. nm c Livingston
 Planer (Mrs.), C. H. 3 t
 714 Bloomfield, Hoboken
 Platt, R. F. 3 b 259 W. 109
 Plaut, E. 3 b 302 Central Park W.
 Poland, E. E. 3 t
 48 South Oxford, Bklyn.
 Polhemus, H. M. f a
 19 Hillside ave., Englewood
 Polhemus, M. B. 2 b
 19 Hillside ave., Englewood
 Poll, D. 3 m 603 Third, Bklyn.
 Pomeroy, A. L.
 140 Highland ave., Orange, N. J.
 Poor, P. 1 b 1 Lexington ave.
 Popper, J. 4 m 739 E. 152
 Porter, E. 3 m 149 W. 73
 Porter, F. J. 1 c Hartley
 Porter, G. H. pl Livingston
 Porter, H. M. 2 b
 175 Beech, Yonkers

- Porter, R. H. 2 l Livingston
 Poteat, H. M. *ph* Livingston
 Potter, C. A. *pl* 405 W. 118
 Potts, L. E. 3 t Whittier
 Powell (Mrs.), A. J. *f a*
 915 President, Bklyn.
 Powell, A. L. 3 s Rockville Centre
 Powell, H. W. *p* 79 and Broadway
 Powell, I. 4 t 420 W. 124
 Powell, L. M. 3 t Whittier
 Powers, H. *pl*
 639a Greene ave., Bklyn.
 Pratt, E. E. *pl* 105 E. 22
 Pratt, E. L. 2 m 137 W. 14
 Pratt, M. 2 b 57 W. 45
 Pratt, N. *f a* Curtis High School,
 New Brighton
 Preble, G. R. *gr t*
 71 W. Washington Pl.
 Prentis, H. M. *ph* 1270-85, Bklyn.
 Price, H. 4 c 619 W. 113
 Price, W. R. *ph* 500 W. 135
 Pritz, B. *f a* 503 W. 121
 Prochazka, O. 2 b 138 W. 13
 Procknow, C. S. 4 t Whittier
 Prosser, C. A. *gr t* 519 W. 121
 Prox, C. C. H. 1 c 300 W. 109
 Prunty, W. S. *pl* 1190 Hoe ave.
 Pryor, K. B. *phar* Hartley
 Puig, A. *nm t* 306 W. 116
 Pulleyn, J. W. 1 c 171 W. 94
 Puorro, M. 4 t
 82 Underhill ave., Bklyn.
 Purchase, H. G. *pl* 175 Ninth ave.
 Putnam, J. O. 2 l 216 W. 70
 Pyne, W. 1 s 265 W. 88
 Pyne, W. C. 1 c 265 W. 88
 Quinn, M. K. *pl* 3 Gramercy Park
 Rabinowitz, E. N. *ph* 531 W. 123
 Rade, H. S. 2 c 543 W. 123
 Ramsdell, C. H. 3 c
 342 Convent ave.
 Randolph, E. A. 3 t Emerson
 Randolph, F. C. F. *gr t*
 425 W. 114
 Randolph, F. M. F. 2 b 425 W. 114
 Ranger, E. A. 3 t 38 E. 73
 Ranson, A. A. 4 m 314 W. 56
 Rapelye, E. L. 1 b
 75 Forest Parkway, Woodhaven
 Raphael, S. L. 3 s
 64 Edgecombe ave.
 Raphael, S. S. 3 t 321 S. 1, Bklyn.
 Rapp, P. L. 4 c 492 Third ave.
 Rathjen, A. 2 l Hartley
 Ratner, A. E. 1 s
 341 Stone ave., Bklyn.
 Raucher, J. B. Z. *ph*
 1525 Amsterdam ave.
 Rausch, A. F. 1 s
 945 Prospect Pl., Bklyn.
 Ravich, A. 1 m Aqueduct, L. I.
 Rawcliffe, E. 3 b
 639 E. 233 Wakefield
 Read, F. W. 3 b
 73 Morningside ave.
 Read, Harlan, 3 l Livingston
 Reade, C. H. *f a*
 935 Washington, Hoboken
 Ready, E. P. 1 b
 42 Kensington ave., Jersey City
 Reardon, E. 1 b
 316 Warburton ave., Yonkers
 Reardon, M. S. 3d. *pl*
 209 Keap, Bklyn.
 Reback, H. *gr t* 1827 7th ave.
 Reber, John, *ph* Livingston
 Redmond, D. W. *pl* 505 W. 141
 Reed, A. F. *gr t* Hartley
 Reed, A. M. *pl*
 114-10 Weehawken, N. J.
 Reed, A. Z. *pl*
 Reed, C. A. *pl* 700 Park ave.
 Reed, C. L. 1 s 524 W. 123
 Reed, H. B. 3 m Seabright, N. J.
 Reed, L. A. 1 s 46 W. 83
 Reed, S. F. *nm l* 416 W. 147
 Reed, T. H. *pl*
 252 S. 9th ave., Mt. Vernon
 Reeder, G. A. 3 b
 Hastings-on-Hudson
 Rees, F. du B. 1 b
 110 and Broadway
 Rees, V. M. 1 b 57 E. 121
 Reese, C. H. 1 b 478 W. 145
 Reesor, M. 4 t 417 W. 121
 Reeves, J. A. 1 l 626 W. 136
 Regan, M. F. 4 t Hartley
 Regnault, W. *phar*
 136 Alexander ave.
 Reichert, T. M. 1 b Huntington
 Reid, E. *nm t* Whittier
 Reid, M. J. 2 b
 82 Morningside ave.
 Reid, M. J. 4 t 500 W. 121
 Reidy, M. J. 3 m 31 W. 61
 Reif, G. L., Jr. 1 l
 426 Highland ave., Mt. Vernon
 Reilly, D. C. 3 b
 22 Post ave., Port Richmond
 Reilly, F. A. 2 l
 137 S. 3d ave., Mt. Vernon

- Reilly, J. J. *ph* Livingston
 Reiner, J. L. *2 l*
 Reininger, W. B. *gr t* 72 W. 124
 Rejall, A. E. *ph* Hartley
 Reller, F. C. 269 W. 134
 Remington, H. W., Jr. *4 s*
 354 Convent ave.
 Remsen, W. *3 c* 800 Madison ave.
 Renn, E. L. *nm t*
 Renshaw, Paul, *2 s* 612 W. 116
 Renton, M. *3 b*
 207 Schermerhorn, Bklyn.
 Renton, M. *f a*
 207 Schermerhorn, Bklyn.
 Renton, S. H. *3 c*
 207 Schermerhorn, Bklyn.
 Renwick, H. B. *3 c*
 116 and Riverside Drive
 Restrepo, L. *4 s* 222 W. 127
 Rethy, J. B. *2 c*
 440 Manhattan ave.
 Reutter, C. E. *nm c* 36 W. 88
 Reynar, M. *2 b* Brooks
 Reynolds, M. J. *3 t* Whittier
 Reynolds, R. S. *1 c* 142 W. 12
 Reynolds, W. A. *2 l* 353 W. 119
 Rhoads, G. *3 t* Whittier
 Rice, D. E. *ph*
 Rice, E. G. *4 t*
 247 Clermont ave., Bklyn.
 Rice, M. *1 b* 73 and Broadway
 Rice, M. W. *4 s*
 107 Morningside ave.
 Rice, R. H. *1 l* Hartley
 Rich, N. E. *3 b*
 23 E. 2d, Mt. Vernon
 Richard, F. R. *p*
 50 Morningside ave. W.
 Richards, D. W. *p* Bklyn.
 Richards, E. M. *4 t*
 1264 Amsterdam ave.
 Richards, G. M. *4 s* 75 W. 46
 Richards, P. D. *nm l*
 3283 Broadway
 Richardson, A. A. *4 b*
 839 Jennings
 Richardson, A. H. R. *3 t*
 Bronxville
 Richardson, C. H., Jr. *4 m*
 Richardson, E. S. *1 b* 620 W. 115
 Richter, R. M. *3 l* 653 E. 164
 Ridge, F. I. *3 m* 106 W. 64
 Riegel, G. H. R. *nm c* 57 W. 81
 Riegel, H. R. *1 p* 648 E. 11
 Riesenbergs, F. *2 s* Livingston
 Riley, H. A. *1 m* 125 W. 92
 Riley, W. L. *2 s* 125 W. 92
 Rilke, O. E. *4 b* 681 E. 170
 Rinck, W. *3 c*
 127 Quitman, Newark
 Rindge, F. H., Jr. *pl*
 78 Manhattan ave.
 Rine, C. B. *3 t*
 1014 Hudson, Hoboken
 Ring, H. M. *4 t* Whittier
 Ringwalt, J. G. *2 c*
 Park ave. and 57
 Rinke, A. W. *3 l* 174 W. 79
 Rionda, S. C. *1 s* Alpine, N. J.
 Riordon, A. *3 b* 110 E. 82
 Rippere, R. H. *gr t*
 492 Putnam ave., Bklyn.
 Rissler, R. B. *3 t* 503 W. 122
 Ristine, F. H. *ph* Hartley
 Ritchie, N. A. *4 t*
 35 Morningside ave. E.
 Riter, B. F., Jr. *2 l*
 Ritter, F. E. *4 t* Whittier
 Rivkin, M. E. *2 b* 2525 7th ave.
 Roantree, W. F. *gr t* 530 W. 122
 Robbins, J. B. *2 c* 523 W. 113
 Robbins, L. W. *4 t* 94 Lawrence
 Robert, D. R. *2 m*
 97 Columbia Heights, Bklyn.
 Roberts, C. McG. *3 l* 619 W. 113
 Roberts, E. *3 t* Whittier
 Roberts, E. O. *1 s* 223 W. 13
 Roberts, G. H. *f a* Livingston
 Roberts, H. B. *ph* 1136-49 Bklyn.
 Robertson, M. L. *p* Brooks
 Robinson, B. *f a*
 2214 Andrews ave.
 Robinson, G. M. *gr t* 501 W. 121
 Robinson, Howard, *ph* 428 W. 124
 Robinson, H. A. *1 c*
 94 Hudson Terrace, Yonkers
 Robinson, J. S. *2 l* Livingston
 Robinson, L. A. *gr t* 520 W. 123
 Robinson, L. H. *3 c* Hartley
 Robinson, L. B. *2 m* Harvard Club
 Robinson, T. A. *3 s* 419 W. 115
 Robinson, V. *phar*
 12 Mt. Morris Park W.
 Robinson, W. J. *p*
 Botanical Gardens, Bronx
 Robinson, W. S. O'B., Jr. *nm l*
 411 W. 115
 Robison, C. H. *gr t* Montclair
 Roche, E. S. *2 c* Livingston
 Roche, J. P. *2 c*
 14 Lafayette ave., Bklyn.
 Rockwood, A. H. *3 t*
 1012 Park ave., Hoboken
 Rockwood, J. P. *4 s* Hartley

- Rockwood, N. O. 3 c Hartley
 Roddewig, G. W. 4 s
 343 St. Nicholas ave.
 Rodenburg, J. T. 3 s 444 W. 44
 Rodgers, A. M. 3 s Livingston
 Rodman, E. S. 3 t
 377 Hamilton Rd., S. Orange
 Rodman, H. pl
 846 Boulevard, Astoria
 Rodman, R. A. 4 t
 Roeder, R. L. 3 c 202 W. 103
 Roessler, E. W. ph Livingston
 Rogan, M. E.
 76 Hawthorne ave., Yonkers
 Rogers, F. E. 1 b Brooks
 Rogers, G. J. 1 b 1337 Clinton ave.
 Rogers, G. S. p 516 W. 142
 Rogers, H. W. 1 c 524 W. 123
 Rogers, J. C. gr t 1735-46 Bklyn.
 Rogers, J. O. 4 t Whittier
 Rogers, W. L. ph 700 Park ave.
 Rogoff, H. R. ph
 192 Shatford ave., Bklyn.
 Rogowski, B. 1 s 2572 Eighth ave.
 Rohde, H. L. pl
 Rohn, J. 1 s
 40 Oxford, Montclair
 Roig, H. J. 3 l Livingston
 Rollins, W. E. 4 c 127 W. 56
 Rome, J. P. 4 c
 458 Manhattan ave.
 Rome, S. 4 b
 334 Schermerhorn, Bklyn.
 Roon, L. ph 1578 First ave.
 Root, E. R. ph
 60 Guion, New Rochelle
 Root, W. R. 1 c
 248 Jefferson ave., Bklyn.
 Rose, A. A. 2 c Hartley
 Rose, F. E. 2 b
 23 Sussex, Hackensack
 Rose, J. 1 s 1413 Prospect ave.
 Rose, W. J. 2 l 1 W. 85
 Roseff, A. 1 c Mamaroneck
 Rosenbaum, C. 3 m
 693 Columbus ave.
 Rosenblatt, B. A. 3 l
 1666 Bathgate ave.
 Rosenblatt, F. F. pl 195 Clinton
 Rosenblatt, M. 3 s
 154 S. 3, Bklyn.
 Rosenbloom, J. 4 m 118 W. 64
 Rosenblüth, M. B. nm c
 207 W. 110
 Rosenfelder, F. 4 b Brooks
 Rosensohn, M. 4 m 21 W. 115
 Rosenthal, D. C. ph 515 W. 134
 Rosenthal, G. J. 3 c 7 W. 120
 Rosenthal, L. B. 4 m
 1111 Madison ave.
 Rosenzweig, S. B. 1 m
 1823 Topping ave.
 Ross, C. T. 3 m 361 W. 56
 Ross, G. H. 3 s 618 W. 113
 Ross, S. B. 1 m 136 W. 61
 Ross, W. N. 2 c 453 W. 123
 Rossman, H. R. phar 171 Allen
 Roth, L. 1 m 929 Park ave.
 Rothschild, B. B. 2 b Brooks
 Rothschild, D. 2 s 586 E. 165
 Rothschild, L. P. 4 c 251 W. 138
 Rothschild, M. 4 s 825 E. 163
 Rothschild, M. A. 2 m Livingston
 Rothschild, B. pl
 1980 Seventh ave.
 Rothwell, A. S. nm c 144 W. 76
 Rothwell, V. H. 2 c 144 W. 76
 Rouse, E. C. 2 l
 University Pl., Woodhaven
 Roux, W. C. 4 c 33 First ave.
 Roy, M. M. 4 c 423 W. 118
 Roy, M. S. 1 b
 Irvington-on-Hudson
 Royster, F. S., Jr. nm c Hartley
 Rubino, G. 1 c 36 Carmine
 Rue, M. A. 4 t Whittier
 Runge, O. E. 2 c
 783 Bushwick ave., Bklyn.
 Runyon, H. De M. 2 b 40 W. 131
 Rupley, G. A. gr t 5 W. 125
 Rushmore, E. M. pl
 129 Montague, Bklyn.
 Rushmore, E. R. ph
 495-12 Bklyn.
 Russel, J. R. pl 3 Gramercy Park
 Russell, F. D. 1 s 229 W. 97
 Russell, M. G. 3 t 145 W. 97
 Russell, W. L. gr t 519 W. 152
 Ruthardt, R. M. 1 s
 Rutlinger, B. H. ph 120 W. 70
 Ruutz-Rees, C. ph
 Greenwich, Conn.
 Ryan, John J. 4 s 466 Lenox ave.
 Rypinski, J. C. 3 s 424 W. 115
 Sabourin, M. L. 4 t
 52 Stuart ave., Arlington, N. J.
 Sackett, N. p Livingston
 Safier, I. E. f a
 1061 Boston Road
 Sage, L. B. p 503 W. 121
 Sage, T. B. 4 c 608 W. 113
 Salaut, H. pl 41 Park Row
 Sale, S. F. 3 t 510 W. 124

- Salmowitz, R. L. 2 b
23 Broome, Bklyn.
- Salsbury, M. S. 1 s 30 W. 96
- Salsbury, N. 4 c 30 W. 96
- Salwen, D. 2 b
1648 St. John's Pl., Bklyn.
- Salzano, F. 4 c 49 Watts
- Samek, B. 3 b 567 W. 113
- Sameth, B. 3 t Perth Amboy
- Sammet, F. G. nm b 158 W. 120
- Sammis, M. F. 3 t 420 W. 121
- Samuels, A. B. ph 135 W. 142
- Samuels, M. 1 s 907 Prospect ave.
- Sanborn, M. L. 2 b
1477 Lexington ave.
- Sanchez, S. J. pl 217 W. 14
- Sanders, B. 4 c 614 W. 113
- Sanders, T. M. 1 c
1239 Madison ave.
- Sandford, G. K. 2 b
17 Marion, Nyack
- Sandiford, P. gr t Livingston
- Sanford, C. H. 3 m
822 Eagle ave.
- Sanger, A. C. 2 s
- Santelices, D. S. 3 s 500 W. 123
- Sapinsky, Lee, 1 c Hartley
- Sapiro, D. 1 c 964 Stebbins ave.
- Sarauna, C. E. gr t 414 W. 118
- Sarauna, J. M. A. nm t
414 W. 118
- Sato, S. pl 700 Park ave.
- Saul, G. E. 2 b
429 Ninth ave., L. I. City
- Saunders, F. H. 3 s 523 W. 113
- Saunders, J. C. gr t 3 W. 92
- Saunders, W. D. ph 175 Ninth ave.
- Savitz, H. E. 3 b
43 Ross Pl., Westfield
- Sawyer, C. H. pl
3 Gramercy Park
- Sayer, L. E. pl
- Sayre, C. H. 2 s Livingston
- Scales, E. R. 4 b
62 Garrison ave., Jersey City
- Sceva, D. D. 1 b 521 W. 135
- Schaefer, H. nm b Brooks
- Schaffer, F. P. 3 l
3694 Broadway
- Schaie, M. 4 m 125 W. 115
- Schapiro, M. S. 2 s
326 E. Houston
- Schaul, J. S. 4 c 35 W. 126
- Schecter, D. G. 3 t 180 Eldridge
- Schechter, F. I. 1 c 512 W. 112
- Schede, F. C. 1 s
- Scheib, R. 3 c 3430 Park ave.
- Schenck, E. L. 4 t 417 W. 118
- Schermerhorn, A. C. 4 c 25 E. 79
- Scheuch, W. A. 1 s 547 E. 171
- Scheuer, H. G. 4 b 607 W. 116
- Schiel, W. E. 1 c
- Schiffer, J. W. 4 c 22 W. 76
- Schirmer, R. E. nm s Hartley
- Schlauch, W. S. ph
2083 Daly ave.
- Schlegel, K. 3 t
285 St. Nicholas ave.
- Schlesinger, Ethel, 2 b 61 W. 74
- Schlesinger, G. 2 c
75 W. Tremont ave.
- Schlesinger, M. D. 4 b
9 Tower Pl., Yonkers
- Schlesinger, M. L. phar
9 Tower Pl., Yonkers
- Schlichten, G. W. 2 s 438 W. 116
- Schlichting, L., Jr. 2 s
1822 Brooklyn ave., Bklyn.
- Schlimbum, S. 1 m 237 E. 25
- Schlossman, W. M. 3 c 7 W. 116
- Schlottman, G. 2 s
2383 Davidson ave.
- Schmelzel, C. 3 c 18 W. 56
- Schmid, A. R. 4 c 171 W. 71
- Schmidt, A. M. 2 c
556 McDonough, Bklyn.
- Schmidt, E. G. f a
353 Halsey, Bklyn.
- Schmidt, J. W. f a 301 E. 155
- Schmidt, M. L. 4 t Whittier
- Schmidt, S. H. s 103 Fulton
- Schmidt, W. C. 1 s
1052 St. Nicholas ave.
- Schmitt, P. A. 2 l
421 Sixth, Bklyn.
- Schneider, I. 4 t 181 E. Broadway
- Schneider, W. S. f a 120 W. 88
- Schnepp, C. F. 3 s
Ridgefield Park, N. J.
- Schnetzky, H. W. f a Livingston
- Schoedler, L. H. 2 b
240 Purdy, Steinway
- Scholz, F. W. 1 c 414 Fourth ave.
- Schoonmaker, H. S. 4 s
201 W. 127
- Schott, M. S. 3 t 212 W. 140
- Schottland, J. ph 300 W. 113
- Schradieck, H. E. ph
535 Washington ave., Bklyn.
- Schramm, E. 4 s 552 W. 141
- Schrenk, T. von, 4 s
140 East End ave.
- Schroeder, R. pl 25 Broad
- Schrenkeisen, F. G. 3 c 294 W. 92

- Schroeder, L. C. 2 m 222 Bowery
 Schuler, M. W. 4 t 557 W. 124
 Schultheis, F. H. phar 514 W. 51
 Schultz, L. C. 1 s 604 W. 114
 Schulz, G. F. ph 218 W. 133
 Schumacher, K. Y. 3 s 124 W. 109
 Schur, Robert, 3 c 4 Hamilton Terrace
 Schwabe, I. ph 476 W. 141
 Schwable, B. E. 3 t
 Schwanenfluegel, H. V. f a 134 E. 72
 Schwarte, J. J. 3 b 402 W. 124
 Schwarte, V. M. 3 t 402 W. 124
 Schwartz, A. A. 1 m 584 Broome
 Schwartz, C. C. 4 t 778 Dawson
 Schwartz, E. E. 2 c 2778 Atlantic ave., Bklyn.
 Schwartz, I. K. 3 t 66 E. 114
 Schwarz, H. 4 t 1125 Lexington ave.
 Schwarz, H. F. ph 20 E. 61
 Schwarz, J. O. 4 s 1038 Fifth ave.
 Schwarz, O. S. ph 207 W. 115
 Schwarz, R. 4 s 312 W. 99
 Schwarz, W. M. 3 l 312 W. 99
 Schweid, M. 2 s 80 W. 40
 Schweis, E. M. 1 b 987 Columbus ave.
 Scopes, W. H. f a
 Scott, D. B. 2 s 112 W. 122
 Scott, F. E. 1 l
 Scott, F. W. 2 m
 Scott, G. W. A. 3 c 1000 Brook ave.
 Scott, S. R. gr t 500 W. 121
 Scott, T. K. 3 s 361 W. 121
 Scuccimarra, M. phar 1475 Third ave.
 Scully, M. P. 1 b 416 Amity, Flushing
 Seager, A. L. 4 t Whittier
 Seaman, E. C. p 437 W. 59
 Sears, J. D. nm c Hartley
 Seaton, G. M. pl
 Seaton, L. P. 1 c 846 Boulevard, Astoria
 Sedgwick, H. R. f a 107 E. 37
 Seebold, P. J. 1 s 59 North ave., New Rochelle
 Segee, G. R. 1 b 439 Manhattan ave.
 Seguine, E. C. 3 b Rosebank, S. I.
 Seidenberg, R. f a 24 E. 99
 Seil, G. E. 1 s
 Seitz, H. F. 1 s 431 Spruce, Richmond Hill, L. I.
 Seleen, E. B. 3 t
 Selig, S. pl Hartley
 Selleck, Anne, 3 t Whittier
 Selleck, K. L. 3 t 418 St. Nicholas ave.
 Sellers, B. M. 3 t 130 W. 96
 Sellow, W. H. 4 c 78 E. 79
 Selvage, N. 1 s 413 W. 117
 Selwyn-Brown, A. pl 332 W. 55
 Semel, A. L. 3 s 1855 Seventh ave.
 Semple, R. A. 1 s Livingston
 Senillosa, J. f a
 Seringhaus, E. H. p 954 Eighth ave.
 Sessler, M. K. 2 c 1 W. 89
 Settle, F. 3 t Whittier
 Seveso, A. 2 b 43 Tillary, Bklyn.
 Sexton, A. J. G. 3 c 172 Cleveland, Orange
 Seymour, B. gr t 526 W. 150
 Seymour, L. 1 b 326 W. 83
 Shafer G. C. 3 l 145 Riverside
 Shaiduroff, N. N. 3 s Livingston
 Shale, B. B. 4 b 955 West End ave.
 Shan, W. S. 2 l 422 W. 115
 Shanley, T. J. B. 4 m 115 W. 64
 Shapinsky, A. T. 3 l Hartley
 Shapiro, I. F. 2 m 181 Madison
 Sharkey, S. M. A. ph College of St. Elizabeth, Convent Station, New Jersey
 Sharlitt, M. gr t 232 W. 122
 Shaterian, W. S. 1 c 245 South, Jersey City
 Shaver, E. C. pl 3058 Kingsbridge Terrace
 Shaw, A. G. 3 b Brooks
 Shaw, C. N. 4 t Whittier
 Shaw, E. L. 3 b 420 W. 148
 Shaw, G. A. 1 s 944 Marcy ave., Bklyn.
 Shaw, G. M. 2 b 19 W. 46
 Shaw, H. B. 3 c Hartley
 Shaw, J. C. 3 t Whittier
 Shaw, J. M. 3 c 627 W. 115
 Shaw, M. B. 2 b 420 W. 148
 Shaw, R. C. 4 t Whittier
 Shearman, W. H. 3 s 540 Park ave.
 Shearer, C. W. 3 s 71 E. 82
 Shears, L. A. 1 c 203 W. 103
 Sheehan, D. F. 1 l 241 W. 111
 Sheehan, P. 3 l Hartley
 Sheets, B. pl 52 Sands, Bklyn.

Shehan, M. A. 1 b
61 Richmond Terrace, Port
Richmond
Sheinman, L. 2 m 12 Jefferson
Shelley, D. M. 1 b
218 Garfield Pl., Bklyn.
Shelley, L. D. 4 t Whittier
Shelton, Wm. B. 3 l
94 East ave., Norwalk
Shenton, H. N. pl Madison
Shepherd, F. gr t
513 Third ave., Asbury Park
Sheppard, E. E. 3 t
85 State, Hackensack
Sheppard, E. P. 3 t Whittier
Sheridan, B. W. 3 l
Sherrer, F. L. 2 l Livingston
Sherwood, W. 4 t 512 W. 135
Shilotri, P. S. ph
Shirley, A. R. 2 c 47 W. 63
Shlimbumb, S. 1 m 237 E. 25
Shoemaker, I. O. 4 t Whittier
Shoenfeld, H. F. 3 c 14 E. 76
Shoninger, E. 3 t
1345 Lexington ave.
Shotwell (Mrs.), A. G. 3 t
Glen Cove, L. I.
Shrewsbury, W. E. 1 c
148 Van Buren, Bklyn.
Shull, A. F. p 522 W. 123
Shwitzer, M. 2 b 16 E. 96
Sicher, D. F. 3 l 533 W. 149
Sickels, J. S. 1 l
353 New York ave., Jersey City
Sickels, K. H. 2 b
596 Riverside Drive
Siclari, F. A. 1 l 150 Baxter
Sidbury, J. B. 1 m
Sidell, R. H. 1 b 223 W. 104
Sidransky, S. phar 605 Water
Siegel, M. E. gr t Tottenville
Siegel, M. T. 1 m 3 W. 118
Sies, R. W. gr t Livingston
Siff, A. L. 1 c 1117 Forest ave.
Silberberg, B. p 439 W. 123
Sillcox, G. E. 3 t Whittier
Sillcox, L. M. 2 b 527 W. 121
Silverman, H. 2 l 931 Park ave.
Silverman, S. 3 b 45 E. 75
Silverman, S. gr t 312 W. 114
Silverstein, I. P. 2 s
72 Van Buren, Passaic
Sime, C. R. 1 s 361 W. 121
Sims, N. L. 700 Park ave.
Simmonds, L. T. gr t
137 and Amsterdam ave.
Simmons, B. E. 3 t 26 Jones

Simmons, M. P. gr t Yonkers
Simms, F. pl 503 W. 121
Simon, B. S. f a 230 W. 107
Simon, C. 1 s 306 W. 99
Simon, E. J. 4 s 527 W. 121
Simon, H. 2 s 22 Mt. Morris ave.
Simon, L. G. 1 s 145 W. 120
Simon, M. S. 1 m
Simonds, H. M. 3 t Whittier
Simpkin, S. 4 t
137 and Amsterdam ave.
Simpson, E. 3 l 1831 Seventh ave.
Simpson, E. C. 3 t 360 W. 21
Simpson, J. O. 3 t
241 So. 6th ave., Mt. Vernon
Simpson, P. 2 s 565 W. 113
Simpson, S. A. 4 t 501 W. 123
Sinclair, C. G. 1 s 214 E. 179
Singer, E. A. 3 t Whittier
Singer, W. V. gr t Dover, N. J.
Singh, Teja, gr t
1249 Amsterdam ave.
Sinn, R. S. 1 b 12 E. 94
Sinsabaugh, M. M. 4 t Whittier
Sirotinsky, B. 1 m 71 E. 109
Skinner, A. nm c
77 and Central Park W.
Skinner, A. M. gr t 509 W. 124
Skinner, E. C. nm t Whittier
Skinner, H. C. 4 c
2766 Briggs ave.
Skinner, J. L. 3 t 138 W. 91
Skinner, M. Greenwich, Conn.
Skinner, R. W., Jr. 3 l
200 Lafayette ave., Bklyn.
Skinner, T. W. 1 s Livingston
Skipp, H. J. ph Livingston
Skutch, I. 2 l
998 Sterling Pl., Bklyn.
Slack, F. V. pl 700 Park ave.
Slade, H. E. 4 s 519 W. 124
Slaymaker, R. J. 4 t Westfield
Sloane, C. O'C. 4 s Hartley
Slobodkin, M. A. 1 s
875 Elmsmere Pl.
Slutzky, H. 2 c
627 Marcy ave., Bklyn.
Sly, G. 3 t
Smale, W. P., Jr. 1 c 119 E. 89
Smallwood, R. F. f a 503 W. 121
Smart, A. M. 3 t 415 W. 118
Smith, A. 2 l Livingston
Smith, A. 3 s Hartley
Smith, A. C. 1 c Broadway and 110
Smith, A. H. 1 c Hartley
Smith, A. H. 3 t 420 W. 118
Smith, A. J. 2 s Hartley

- Smith, A. L. 4 t
 Smith, B. G. 4 t
 205 Glenwood ave., E. Orange
 Smith, D. F. nm b Brooks
 Smith, E. 4 b
 122 Washington, Mt. Vernon
 Smith, E. C 1 s
 Smith, E. I. 4 t 109 W. 129
 Smith, E. P. 3 c Livingston
 Smith, E. P. gr t Whittier
 Smith, F. ph 418 W. 118
 Smith, F. A. pl
 363 Grand ave., Bklyn.
 Smith, F. B. f a Livingston
 Smith, F. C. 4 m
 102 Monroe, Bklyn.
 Smith, F. D. nm t
 559 McDonough, Bklyn.
 Smith, F. H. p 201 W. 94
 Smith, F. Y. 4 t
 1115 Amsterdam ave.
 Smith, G. 3 c
 19 Essex ave., Orange
 Smith, G. H. gr t Livingston
 Smith, H. C. 3 s 420 W. 118
 Smith, J. A. 1 s 293 E. 10
 Smith, J. F., Jr. gr t
 615-48, Bklyn.
 Smith, J. S. 3 t 417 W. 118
 Smith, L. ph 1266 Amsterdam ave.
 Smith, M. C. 4 b
 124 Midland ave., Bloomfield
 Smith, M. De F. 1 m
 25 Madison ave.
 Smith, M. D. F. 4 c Hartley
 Smith, M. L. 4 t 540 W. 159
 Smith, N. A. nm t 222-4 W. 59
 Smith, R. M. ph 503 W. 122
 Smith, S. E. ph 700 Park ave.
 Smith, S. L. 4 t Hartley
 Smith, V. 1 b 110 and Broadway
 Smith, W. L. 1 c Baldwin, L. I.
 Smith, W. M. p Easton, Pa.
 Smith, W. W. (Mrs.) nm b
 30 W. 128
 Smithers, A. E. 3 b 425 W. 144
 Smithers, H. G. 4 b 425 W. 144
 Smythe, R. H. 4 c
 159 Joralemon, Bklyn.
 Smythe, R. H. f a
 123 Amity, Bklyn.
 Snead, C. G., Jr. 3 l 58 W. 133
 Snevily, R. S. 1 c
 81 Macon, Bklyn.
 Snook, E. L. 3 t
 Snook, T. E., Jr. 3 s 618 W. 113
 Snow, C. W. ph Hartley
- Snyder, E. R. gr t 515 W. 123
 Solinger, W. B. 1 l
 340 Vernon ave., Bklyn.
 Solis, A. W. 1 b 188 No. Colum-
 bus ave., Mt. Vernon
 Solis, M. E. 1 s 554 W. 113
 Solomon, I. L. 1 m 100 W. 121
 Solomon, S. 1 m 697 Humboldt,
 Bklyn.
 Solomons, C. B. 3 t 51 W. 81
 Sommers, S. A. nm l Hartley
 Souder, H. C. 1 l Hartley
 Soule, E. W. 3 s 1790 Walton ave.
 Soule, F. J. pl 700 Park ave.
 Southerton, M. 1 b Brooks
 Spalding, L. F. 3 b
 18 Woodland ave., New Rochelle
 Spalding, L. H. 4 s 604 W. 114
 Sparks, I. A. nm c 558 W. 113
 Spear, D. A. 1 b
 99 Crescent Pl., Yonkers
 Spence, K. M. 3 l 320 W. 75
 Spence, R. N. 1 s 788 Dawson
 Spencer, C. B. 3 s
 1124 Tinton ave.
 Spencer, E. B. 1 c 3415 Broadway
 Spencer, F. B. 2 c 1124 Tinton ave.
 Spencer, H. G. 1 s 517 W. 134
 Spencer, H. J. p Hartley
 Spiegel, A. F. 3 l
 887 West End ave.
 Spingarn, H. 2 l
 184 Vernon ave., Bklyn.
 Spitz, E. F. 3 l
 265 Kosciusko, Bklyn.
 Spitzer, B. 4 s 411 E. 88
 Splain, J. A. F. nm c 318 W. 26
 Spooner, G. B. p 503 W. 121
 Sprague, W. B. 3 l
 333 Sanford ave., Flushing
 Springer, A. P. S. 1 c 625 W. 135
 Springer, P. M. 2 c
 401 Miller ave., Bklyn.
 Sproull, M. W. 4 t Whittier
 Sprung, A. 3 s 126 W. 118
 Sprung, N. ph 126 W. 118
 Squier, C. B. nm s 140 W. 69
 Squier, G. F. 1 s Hartley
 Squires, F. C. f a 326 W. 55
 St. John, F. B. 4 m 231 W. 69
 Staber, H. ph 455 E. 18, Bklyn.
 Stack, E. M. 1 b 435 W. 123
 Stadler, B. F. 4 t 550 W. 148
 Staelin, L. E. 4 t
 1307 Fulton ave.
 Stafford, R. W. 3 s 306 W. 137
 Stage, J. M. S. 3 t 529 W. 123

Stagen, R. M. 2 b 347 Bement ave.,
West Brighton
Stagg, H. J., Jr. 4 s
428 Central Park W.
Stagg, W. L. 1 s
230 Central Pk., S.
Staiger, B. C. 1 s 616 W. 113
Stair, B. W. ph
Staley (Mrs.), B. D. 3 t Whittier
Stalnaker, H. T. ph Brooks
Stamm, C. L. 4 t
25 New York ave., Mt. Vernon
Stanley, A. A. 4 t 523 W. 122
Stanley, E. O., Jr. 3 l 418 W. 118
Stanley, J. H. 2 l Livingston
Stanton, D. L. 3 t
185 St. Mark's ave., Bklyn.
Stanton, P. N. nm b 30 W. 49
Stanton, W. H. 3 t
571 E. 28, Bklyn.
Stapff, H. 2 b 67 E. End ave.
Stark, E. P. 4 t 537 W. 123
Stark, M. B. 3 b
Starrels, A. 1 s 17 E. 116
Staub, P. M. f a Mamaroneck
Stearns, W. W. 1 c
23 Coddington, Yonkers
Stebbins, H. A. pl Livingston
Steel, J. A. 3 c Livingston
Steele, E. 4 t
192 Bloomfield ave., Passaic
Steele, R. A. nm t 94 Lawrence
Steele, R. H. 1 l
33 Monroe Pl., Bklyn.
Steffens, J. A. ph
7224 Fifteenth ave., Bklyn.
Steffens, J. J. ph 700 Park ave.
Stegman, B. C. 1 b
1041 Bloomfield, Hoboken
Stehl, H. J. 2 m 317 E. 55
Stein, L. E. 1 b 292 Manhattan ave.
Steinbrenner, E. L. gr t Whittier
Steindler, E. 1 s 104 W. 70
Steinecke, J. A. 2 b
55 1/2 Lynch, Bklyn.
Steinemann, R. 2 c
484 Convent ave.
Steiner, J. 1 l 40 Clay, Newark
Steiner, S. H. 4 m 75 W. 183
Steinfeld, S. 1 c
931 De Kalb ave., Bklyn.
Steiniger, A. B. 3 t
674 West End ave.
Steinman, D. B. 4 553 Seventh
Steinmetz, F. C. 1 m 352 W. 19
Steinmetz, H. G. f a
2083 Daly ave.

Steinschneider, W. 3 s
2098 Valentine ave.
Steitz, A. ph 530 Linden, Bklyn.
Stem, I. E. ph 510 W. 124
Stepanek, B. ph 430 W. 118
Stephens, I. M. 4 t Whittier
Stephens, R. 2 c Hartley
Stephens, S. D., Jr. 2 c Hartley
Stephenson, R. 4 c 22 Bank
Stern, A. Z. phar
1448 Second ave.
Sternberg, E. 3 c
1323 Broadway, Bklyn.
Sternfeld, C. L. 4 t 126 W. 74
Sterritt, J. E. 3 c
Steteheimer, E. ph 102 W. 76
Steven, M. 3 t 423 W. 118
Stevenson, J. M. 1 b
294 Prospect, L. I. City
Stewart, B. gr t Whittier
Stewart, C. 2 b 180 Claremont ave.
Stewart, I. M. 3 t 416 W. 118
Stewart, N. 2 b 1754 Topping ave.
Stewart, R. R. 2 c 467 W. 164
Stewart, W. E., Jr. 1 s
607 W. 113
Stickles, L. S. 3 c
957 Broad, Newark
Stiefel, W. A. 1 c 58 Maiden Lane
Stiger, C. B. 1 nm l 605 W. 137
Stiggins, S. J. 2 l
Stiles, B. C. 4 t Whittier
Stillman, A. L. 3 s
532 River, Hoboken
Stimson, M. B. 2 b 68 W. 40
Stine, M. D. 1 b 2394 Jerome ave.
Stites, M. G. 3 t Tenafly, N. J.
Stoll, M. 2 s 75 E. 119
Stone, E. W. 2 c
1128 Bedford ave., Bklyn.
Stone, J. C., Jr. 1 s 401 E. 80
Stone, J. pl 3 Gramercy Pk.
Stone, L. M. gr t
1433 Union, Bklyn.
Stone, M. G. ph 2 W. 120
Storer, H. M. 3 t Freeport
Storey, C. J. nm c 331 E. 31
Storey, J. A., Jr. 3 c Hartley
Storey, M. D. nm b 440 E. 57
Stork, V. E. 4 m Livingston
Story, H. V. 3 c 307 W. 90
Stoughton, L. R. p 423 W. 118
Stout, A. P. 1 m
574 Madison ave.
Stowell, D. D. 2 m 313 W. 70
Stowell, W. A. 4 t
140 Kent, Trenton

- Strafer, E. M. 3 t Whittier
 Strang, B. B. 1 c
 301 Lafayette ave., Bklyn.
 Strasburger, A. c 66 E. 66
 Strasburger, S. M. 2 c 622 W. 114
 Stratford, A. C. ph
 163 Clinton ave., Bklyn.
 Stratton, J. R. 1 l Livingston
 Straus, D. nm b 2 W. 86
 Straus, S. 2 b 504 Richmond
 Terrace, New Brighton
 Strauss, I. D. 1 c 572 W. 141
 Streeter, D. D., Jr. 4 c Livingston
 Strehan, G. E. 4 s 609 Wales ave.
 Streubel, E. J. ph
 169 Lefferts ave., Bklyn.
 Stringfellow, E. G. 4 t Whittier
 Strippel, A. E. 2 s 102 E. 112
 Strobel, R. L. 2 s Livingston
 Strong, S. S. nm b 213 W. 71
 Strobe, A. 4 t
 846 B'lv'd, Astoria, L. I.
 Struthers, H. H. 4 s 1 W. 132
 Struthers, R. T. 1 s 376 E. 136
 Stryker, L. M. 3 b
 9 Lake, White Plains
 Stuart, F. I. 4 m
 Sturgeon, J. B. ph Whittier
 Sturges, H. A. ph 700 Park ave.
 Sturtevant, A. H., Jr. 1 c
 Edgewater
 Sturtevant, W. P. 3 l 634 W. 138
 Stutz, C. K. 3 t Whittier
 Suessenguth, C. P. J. s Grantwood
 Suffern, A. E. 4 t 75 Manhattan
 Sugarman, M. H. f a
 1648 Madison ave.
 Sullivan, A. G. 4 m 225 W. 109
 Sullivan, A. S. ph 50 Prince
 Sullivan, C. G. 2 s Hartley
 Sullivan, F. W. ph 619 W. 113
 Sullivan, V. F. 3 c 130 E. 78
 Sullo, N. A. 2 m 686 Eagle ave.
 Summerbell, L. A. ph Whittier
 Sumner, A. P. pl 125 Manhattan
 Sumner, C. 2 m 137 E. 14
 Sunderland, B. 4 t Whittier
 Surdam, G. L. gr t Rutherford
 Surdam, M. J. 3 t Rutherford
 Sutherland, I. 3 t
 124 Lexington ave.
 Sutherland, M. E. 4 t 608 W. 135
 Suverkrop, E. A. 1 s
 468 Central Park W.
 Suwo, C. nm t 965 Fifth ave.
 Suydam, J. R., Jr. 2 s
 414 Madison ave.
 Suzuki, Y. ph 700 Park ave.
 Swain, P. L. 2 l
 Swallow, H. J. 1 s
 334 Putnam ave., Bklyn.
 Swanton, R. L. 3 c
 124 St. James Pl., Bklyn.
 Swartwout, F. R. 2 l
 Scarsdale, New York
 Swartwout, R. G. f a 558 W. 113
 Swartz, M. D. 1 s 224 W. 122
 Swazey, E. S. 1 c Hartley
 Sweeney, L. R. nm b
 333 Park ave., Paterson
 Sweeney, M. M. 3 m 318 W. 23
 Swenson, I. P. 3 t Whittier
 Swenson, M. E. 4 b
 209 Amity, Flushing
 Swezey, C. 2 s 413 W. 117
 Swick, D. A. nm m
 1683 Lexington ave.
 Swift, P. E. 3 m 144 W. 65
 Swift, S. 1 m 8 E. 54
 Syverson, T. S. 4 s 618 W. 113
 Szanto, S. S. 2 s 636 9th ave.
 Tachna, M. 3 l 62 W. 115
 Tag, W. 1 s 511 Macon, Bklyn.
 Taggart, L. D. 4 t Grantwood
 Tallant, J. D. 3 s 614 W. 113
 Talpey, E. M. 3 b 537 W. 123
 Tannenbaum, S. W. 3 c 58 E. 123
 Tanzer, H. H. ph 294 W. 92
 Tarr, P. H. ph
 Tashof, I. P. 1 s 11 E. 30
 Taylor, C. E. p Hartley
 Taylor, E. C. f a 544 W. 113
 Taylor, E. J. 3 t Whittier
 Taylor, E. W. 1 s 544 W. 113
 Taylor, H. W. nm t
 Englewood, N. J.
 Taylor, H. W. 4 c 156 E. 38
 Taylor, J. M. 1 l 184 W. 82
 Taylor, M. A. 3 t 523 W. 121
 Taylor, M. E. 1 b
 237 McDonough, Bklyn.
 Taylor, R. ph Livingston
 Taylor, S. P. 2 s 123 W. 85
 Taylor, V. gr t 116 W. 59
 Tea, M. A. ph 65 W. 91
 Tea, P. L. 3 s 65 W. 91
 Ten Eick, C. A. 4 t 3 W. 122
 Teodoro, J. 3 t 524 W. 123
 Termini, P. J. 1 l
 1001 Ave. U, Bklyn.
 Teroksbury, E. B. gr t
 412 Ninth ave.
 Terry, A. H., Jr. 3 m 346 W. 57

Thackeray, G. 2 b 3800 Broadway
 Tharp, E. pl 152 W. 121
 Thees, C. R. 1 b 271 Lenox ave.
 Thomas, A. G. 2 l 94 Lawrence
 Thomas, H. L. ph
 177 and Aqueduct ave.
 Thomas, L. A. 3 t
 Thomas, W. L. 3 s 175 W. 72
 Thompson, C. E. 4 s
 304 State, Bklyn.
 Thompson, E. E. 3 t Whittier
 Thompson, G. 4 t 161 W. 103
 Thompson, L. I. 4 b 240 Lenox ave.
 Thompson, L. I. f a
 Thompson, L. M. 1 m 250 W. 88
 Thompson, L. S. ph
 880 St. Nicholas ave.
 Thompson, L. S. 2 s
 1373 Washington ave.
 Thompson, M. M. 4 s Ridgefield
 Thompson, N. 3 t
 244 Railroad ave., Bklyn.
 Thompson, O. 3 b 420 W. 118
 Thompson, R. 1 b 407 Washington
 ave., Mariner Harbor, S. I.
 Thompson, W. C. 2 s Hartley
 Thompson, W. H. ph Hartley
 Thompson, W. S. f a 116 W. 127
 Thomson, A. 3 b 3 W. 92
 Thomson, E. 2 b 568 W. 161
 Thomssen, E. G. p. 607 W. 113
 Thorn, F. C. 1 s
 58 St. Mark's ave., Bklyn.
 Thorne, F. 4 t 601 W. 182
 Thorne, J. T. gr t
 175 McDougal, Bklyn.
 Thorne, N. 3 b 418 St. Nicholas ave.
 Thornton, A. C. 3 t 410 E. 178
 Thornton, T. F. 3 c
 229 Hinsdale, Bklyn.
 Thorpe, C. W. (Mrs.) ph
 Graham Ct., 116 & 7 ave.
 Thurlow, L. K., Jr. 1 c
 152 Gates ave., Bklyn.
 Tichborne, F. F. M. 3 t 30 S.
 Tenth ave., Mt. Vernon
 Tiemann, K. H. 2 b Brooks
 Tiffany, L. C. sp b 27 E. 72
 Timmons, J. 2 c Hamilton
 Toaz, R. K. gr t Huntington
 Tobias, D. F. 3 s 132 W. 126
 Todd, H. C. 3 c Fanwood, N. J.
 Todd, N. M. 4 t 1006 E. 151
 Todd, O. U. 1 s
 Golden's Bridge, N. Y.
 Tomes, M. A. 3 t Whittier
 Tomio, T. pl 700 Park ave.

Tompkins, N. M. pl 411 W. 115
 Tonking, W. W. 3 s 618 W. 113
 Tooker, H. C. 2 c 343 Broadway
 Tooker, M. W. nm b
 Larchmont Manor, N. Y.
 Tooker, N. B. 3 m
 Torre, M. de la 4 s
 Tortora, A. p 315 E. 53
 Totten, S. B. 3 t 205 W. 118
 Tough, F. B. 3 s Hartley
 Townsend, D. S. 3 c Hartley
 Townsend, H. H. 1 c
 174 St. Nicholas ave.
 Townsend, R. H. 3 s Hartley
 Trabulsi, N. S. 1 l
 18 Park Place
 Traitel, L. p 58 W. 95
 Travis, C. M. 3 l
 146 Quincy, Bklyn.
 Treadwell, E. W. 1 c
 254 Amity, Flushing
 Treat, D. H. 3 t 49 W. 85
 Treat, M. K. 3 t 49 W. 85
 Trebilcox, R. D. ph 521 W. 123
 Tredwell, E. A. S. pl 57 W. 106
 Trenbath, M. C. 3 t
 104 Madison ave., Plainfield
 Trillich, B. L. 1 s 675 Union ave.
 Tripp, W. A. 4 c
 103 Monroe, Bklyn.
 Trosk, C. 3 l
 1631 Eighth ave., Bklyn.
 Trott, J. C. f a 413 W. 117
 Trottier, T. 3 t 501 W. 122
 Trowbridge, C. R. ph 1 W. 102
 Trube, H. L. 1 l
 Hastings-on-Hudson
 True, R. S. 3 c 328 W. 83
 Truesdell, W. B. p 512 W. 135
 Tschudy, E. A. 2 s 209 E. 45
 Tuchten, I. B. 4 t Whittier
 Tucker, M. gr t Whittier
 Tully, M. V. 4 t 180 N. 6, Bklyn.
 Tumulty, F. E. phar
 54 Monticello ave., Jersey City
 Tupper, W. D. 2 s
 79 Chestnut, E. Orange
 Turnbull, L. S. 4 b 510 W. 124
 Turner, J. P. ph 421 W. 121
 Turner, M. B. pl
 162a Harrison ave., Jersey City
 Turpin, A. E. 4 c 150 E. 18, Bklyn.
 Turpin, E. C. nm c
 150 E. 18, Bklyn.
 Turrell, H. P. nm c 64
 Tuthill, B. C. 4 c 176 W. 86
 Tuttle, G. C. 2 l 21 W. 36

- Twaddle, H. W. 4 t Ossining
 Tweed, R. W. nm b 12 E. 36
 Tynan, J. L. ph 1781 Sedgwick
 Tyndall, G. V. 3 t
 137 S. Sixth ave., Mt. Vernon
 Tyng, E. McJ. ph 415 W. 118
- Uhlein, H. A. 1 l
 Ulanoff, F. ph 648 E. 183
 Ulmann, E. 4 s 29 Locust Hill
 Underwood, A. 4 b
 10 Stephens, Belleville
 Underwood, E. S. pl 541 W. 158
 Ungar, G. F. 2 c 7 W. 37
 Unger, A. 1 m 56 E. 118
 Untermeyer, I. 2 l 675 Fifth ave.
 Upham, D. I. 3 t Whittier
 Usii, G. C. C. 2 s Livingston
 Utter, H. E. 3 m 138 W. 65
- Vail, E. 3 t 72 W. 124
 Valdés, A. P. 2 s
 200 Riverside Drive
 Valensi, A. nm c 2 E. 120
 Valentine, C. H. 3 s Hartley
 Valentine, H. D. ph
 Valentine, L. C. 3 t 94 Lawrence
 Valet, E. M. 1 b 111 W. 127
 Valley, C. C. 2 s 335 W. 35
 Van Aken, E. W. gr t
 238 Penn., Bklyn.
 Van Anda, J. B. nm b 344 W. 72
 Van Buskirk, A. S. 2 b 21 W. 123
 Vanderbilt, S. B. 3 t 216 W. 103
 Vanderveer, S. L. 2 l Hartley
 Vandewater, W. C. 2 l Livingston
 Van Dier, Walter, fa 523 W. 113
 Van Doren, C. ph 510 W. 124
 Van Dyck, V. 1 c
 67 W. 44, Bayonne
 Van Etten, R. C. 3 m
 Vankeuren, H. P. T. 4 s
 523 W. 113
 Van Kleeck, E. 1 m 4 W. 123
 Vann, W. H. ph Livingston
 Van Saun, E. G. 3 t
 Maywood, N. J.
- Van Tine, A. A. 2 l
 567 West End ave.
 Van Tine, H. 2 c
 567 West End ave.
 Van Vranken, F. J. 1 b Brooks
 Vaughan, J. H. p Livingston
 Vehslage, H. E. 4 s 136 W. 70
 Verlage, C. C. M. 2 b 201 W. 79
 Vermilya, M. 3 t 556 W. 183
 Verplanck, E. F. 1 s 430 W. 118
- Ver Planck, G. A. 3 b
 14 Court, White Plains
 Ver Planck, J. C. pl
 541 Lexington ave.
- Vexler, F. ph 54-6 E. 3
 Vietor, J. A. 2 m 28 W. 53
 Villalobos, G. 2 s 240 W. 118
 Viña, T. A. 4 m 137 W. 61
 Vincent, H. G. pl 700 Park ave.
 Vineberg, S. pl 319 W. 116
 Vining, I. E. ph
 Vinson, B. 4 t 639 W. 142
 Vogel, H. fa 518 W. 134
 Vogel, J. 1 c 183
 Wyckoff ave., Bklyn.
- Vogel, O. M. 2 s Livingston
 Völker, H. U. 2 s
 Volz, H. C. fa Livingston
 vom Baur, E. E. 4 b 18 W. 130
 vom Saal, R. E. 2 c 544 W. 113
 von Malmberg, C. A. 3 s
 124 W. 109
- Von Muffling, E. A. 3 s
 1000 E. 19, Bklyn.
- Von St. George, A. A. ph
 383 West B'way.
- von Umverth, F. ph 527 W. 121
 von Wahl, C. W. 1 b 22 E. 120
 von Wedell, H. A. 1 s Hartley
 Voskamp, J. A. 3 s Hartley
 Voss, E. R. gr t Whittier
 Vulté, G. P. 4 s
 33 Park ave., New Rochelle
- Wackwitz, L. A. 1 b Irvington
 Wade, S. F. 4 m 346 W. 57
 Wade, T. H. ph Hartley
 Wagg, F. P. gr t Livingston
 Wagner, F. H. 1 s Hartley
 Wagner, J. A. 3 b 236 E. 31
 Wahlig, R. C. 4 s
 1562 Crotona Park, E.
- Waite, E. A. 2 b Brooks
 Waite, M. G. 4 t 526 W. 114
 Wakefield, Arthur, ph
 942 Bloomfield, Hoboken
- Wakeman, M. E. 3 t Whittier
 Waldstein, A. S. ph 246 E. Houston
 Wales, M. A. 4 t 500 W. 121
 Walker, E. W. 2 l 675 Flatbush
 ave., Bklyn.
- Walker, R. T. fa
 Walker, S. M. 3 t
 276 Riverdale ave., Yonkers
- Walker, W. B. pl 24 Downing
 Walkinshaw, R. B. 1 l Livingston
 Wallace, B. E. 3 t 500 W. 121

Wallace, L. B. 3 t 125 E. 24
 Wallin, A. R. *ph* Kenilworth, N.J.
 Wallis, J. E. 2 s 421 W. 121
 Walser, G. O. 1 l
 New Brighton, S. I.
 Walsh, C. B. *p*
 136 St. Felix, Bklyn.
 Walter, H. W. 4 s Livingston
 Walter, L. 1 s
 76 Juniper ave., Maspeth
 Walters, R. E. 3 s 68 W. 96
 Walther, C. M. 1 b
 201 N. High, Mt. Vernon
 Walther, J. W. 4 m
 431 Hopkins ave.
 Ward, D. W. 1 m 216 W. 42
 Ward, E. H. 4 t 522 W. 123
 Ward, M. H. 2 m 129 W. 64
 Wardell, S. E. *gr t*
 101 Day, Orange
 Wardell, W. S., Jr. 4 c
 25 Waverley Pl., Orange
 Wardlaw, F. A., Jr. 3 s
 608 W. 113
 Wardner, D. M. 4 m
 Pelham Manor
 Ware, A. 3 t *Whittier*
 Warner, J. G. *nm t*
 Warren, E. L. 3 m 350 W. 71
 Warren, G. H., Jr. 3 c
 924 Fifth ave.
 Waterbury, C. H. 1 c
 Watson, M. D. 4 c 551 W. 149
 Watson, M. W. *nm b* 258 W. 93
 Way, H. D. *fa* 505 W. 122
 Wayman, G. L. 3 t
 21 Pennsylvania ave., Rosebank
 Wayt, H. I. 3 b
 161 Franklin, Astoria
 Wayt, W. H. *gr t* Livingston
 Weaver, G. M. 2 s 170 W. 95
 Weaver, J. A. *fa* 538 W. 113
 Weaver, R. M. 3 t
 47 Morningside Drive W.
 Webb, C. R. *pl* 175 Ninth ave.
 Webb, H. W. 1 l 15 E. 51
 Webber, W. T. 2 c 515 W. 139
 Weber, R. H. *fa*
 1 River View, Terrace
 Webster, D. H. 3 m
 308 Madison ave.
 Webster, J. McB. 2 s
 Webster, L. S. 3 s
 1453 Lexington ave.
 Webster, S. E. 4 t 1 Suburban Pl.
 Wedemeyer, Wm. J. *nm c* 2 W. 133
 Weed, D. V., Jr. 3 s 451 W. 162

Weeks, W. C. 1 c 209 W. 129
 Weeks, W. W. 4 c 46 E. 57
 Weer, L. E. 4 t *Whittier*
 Wegener, M. A. 1 b 546 W. 113
 Weiher, H. A. *fa* 76 E. 86
 Weil, A. A. 2 b 303 W. 100
 Weil, L. 1 b 303 W. 100
 Weild, D., Jr. 1 m
 359 Hancock, Bklyn.
 Weiner, M. F. *nm b* 250 W. 91
 Weiner, S. F. 1 c 245 W. 101
 Weingart, J. S. 3 m
 2041 Seventh ave.
 Weinrich, M. F. *p*
 Weinstein, D. 4 c *Hartley*
 Weinstein, J. 3 s 767 E. 152
 Weinstein, J. *gr t* 2495 Third ave.
 Weinstein, M. 3 b *Brooks*
 Weis, W. M. 1 c 114 E. 74
 Weisman, Charles *p* 152 Atlantic
 ave., Bklyn.
 Weiss, Benj. 2 s 49 St. Marks Pl.
 Weiss, W. S. 1 l
 Riverside Drive and 180
 Welch, E. W. 2 s 523 W. 113
 Welch, W. 1 c Scarsdale, N. Y.
 Weldin, W. 4 t *Whittier*
 Welle, E. W. 1 s
 365 Straight, Paterson
 Welling, W. B., Jr. 1 c 52 E. 49
 Wellington, H. W. 1 m
 544 W. 113
 Wells, G. F. *gr t* *Hartley*
 Wells, E. 365 Straight, Paterson
 Weltner, P. R. 2 l *Hartley*
 Welty, E. M. 3 t
 72 Morningside ave., E.
 Werner, O. V. 4 c
 2592 Atlantic ave., Bklyn.
 Werner, P. C. 3 c 324 W. 88
 Wertz, Z. B. 3 t 500 W. 121
 Wessa, A. 4 t 420 W. 121
 West, C. L. 4 t
 188 Grafton ave., Newark
 West, D. 4 m
 West, H. J. *nm s* 170 W. 85
 West, J. R. 3 b 552 W. 186
 Westaway, L. B. 4 t
 803-48, Bklyn.
 Westcott, G. E., Jr. *fa* 403 W. 115
 Weston, E. G. 3 b 228 W. 141
 Wetjen, H. W. 1 s 146 W. 98
 Weymann, L. C. 2 b 148 E. 16
 Wheat, F. M. *gr t* 217 W. 107
 Wheeler, I. 2 c
 Wheeler, M. *ph* 1120 Amst. ave.
 Wheeler, M. L. *ph* 417 W. 114

- Whippi, W. O. 3 c 618 W. 113
 Whitaker, W. A. p 526 W. 114
 Whitcomb, E. 4 t Whittier
 White, C. C. 1 m 13 Livingston Pl.
 White, F. C. pl 1227 Boston Rd.
 White, G. M. f a 15 Broad
 White, M. L. pl
 164 Centre ave., New Rochelle
 White, M. L. 4 s 559 W. 141
 White, R. L. 4 s 559 W. 141
 White, W. C. 1 s Englewood
 White, W. C. 1 m
 833 Bloomfield, Hoboken
 White, W. C. L. 4 t
 68 Woodbine, Bklyn.
 Whitehead, F. E. phar
 2 Locust, Morristown
 Whitford, E. E. p 523 W. 151
 Whitin, E. W. pl 501 W. 113
 Whitley, M. T. ph 541 W. 124
 Whitlock, B. McE. 2 c 612 W. 116
 Whitman, A. 1 m
 283 Lexington ave.
 Whiton, A. S. f a 309 W. 93
 Whittemore, E. B. 4 t
 Riverside Drive and 135
 Whitwell, C. B. 2 s 610 W. 113
 Wicke, C. 3 l 34 E. 68
 Wickenden, A. A. 3 s 7 E. 39
 Wickham, J. F. ph Livingston
 Wicks, C. H. pl 700 Park ave.
 Wicks, H. D. gr t Whittier
 Widmer, M. M. 3 t Emmerson
 Wiehle, A. L. V. 4 c 304 W. 109
 Wiener, H. J. 3 m 48 E. 65
 Wieselthier, M. L. 4 m 215 W. 10
 Wiesner, A. 3 b
 12 Union ave., Mamaroneck
 Wilcox, W. S. gr t Whittier
 Wilder, G. F. p
 15 Linden ave., Bklyn.
 Wildman, H. V., Jr. 1 m
 108 W. 94
 Wilds, R. H. 3 m
 Wile, H. 4 t 549 W. 123
 Wile, W. D. 3 c 332 W. 88
 Wiley, F. L. gr t Livingston
 Wiley, Wm. H. 4 t N. Tarrytown
 Wilkes, H. E. 2 b
 991 Clinton ave., Irvington, N. J.
 Wilkerson, F. W. 4 m 122 W. 64
 Wilkes, M. S. gr t 5 E. 106
 Willard, E. S. nm l 45 Pine
 Willard, G. ph
 632 Bedford ave., Bklyn.
 Willets, G. 2 b 34 Mamaroneck
 ave., White Plains
 Willett, E. 4 t
 Williams, B. C. ph
 Williams, B. P. 3 t 209 W. 129
 Williams, E. J. 3 l Hartley
 Williams, G. I. 3 t 524 W. 122
 Williams, G. M. 2 s
 135 Prospect Park W., Bklyn.
 Williams, H. 3 s Livingston
 Williams, K. T. 4 m 56 E. 58
 Williams, R. G. p 531 W. 113
 Williams, R. H. p 527 W. 124
 Williams, S. E. 3 t 200 W. 130
 Williams, S. H. gr t 420 W. 121
 Williams, W. R. 3 t
 Hastings-on-Hudson
 Williamson, D. B. 4 s
 450 W. 153
 Williamson, N. E. 4 t Whittier
 Willis, B. A. 4 c Hartley
 Willis, M. C. 3 t 1281 Union ave.
 Willson, A. C. gr t
 Greenwich, Conn.
 Wilcox, P. W. 3 s 41 W. 52
 Wilmot, R. A. 4 t Whittier
 Wilson, A. S. 1 b
 107 Spruce, Newark
 Wilson (Mrs.), E. N. 1 b
 34 Gramercy Park
 Wilson, H. D. ph
 525 Madison, Bklyn.
 Wilson, J. R. 4 t
 727 E. 23, Paterson
 Wilson, L. 1 s 251 W. 81
 Wilson, L. M. ph
 Larchmont Manor, N. Y.
 Wilson, M. B. 2 b Brooks
 Wilson, S. M. 4 t Whittier
 Wilson, S. P. gr t Whittier
 Wilson, T. A. 3 s 356-8 W. 97
 Wilson, W. H. 4 t
 365 Pacific, Paterson
 Winchell, C. M. 4 t
 176 Elm ave., Mt. Vernon
 Winchell, F. E. 4 t
 176 Elm ave., Mt. Vernon
 Winderman, S. D. 2 c
 629-11, Bklyn.
 Winter, J. J. gr t
 1962 E. 15, Bklyn.
 Winter, N. f a 201 W. 97
 Wischkaemper, H. pl
 700 Park ave.
 Wise, B. D. 3 l 154 W. 76
 Wise, H. B. 1 b
 106 Central Park, W.
 Wise, L. E. p 52 W. 15
 Wise, Leo H. nm l 28 E. 63

Wise, S. L. 2 s 28 E. 63
 Wiseman, J. S. 4 t Hartley
 Withers, F. L. 3 t 519 W. 121
 Woerishoffer, C. gr t 11 E. 45
 Wolbarst, Eli 3 c 1773 Madison ave.
 Wolbarst, R. f a 1773 Madison ave.
 Wolcott, E. P. ph 3211 Division
 ave., Richmond Hill
 Wolf, M. L. gr t 915 S. 16, Newark
 Wolfe, C. T. 3 c Livingston
 Wolfersperger, J. J. s 531 W. 113
 Wolferz, L. E. ph 497 Hart, Bklyn.
 Wolff, C. 2 s 12 E. 131
 Wolff, F. M. pl 15 W. 89
 Wolff, S. J. 3 l 777 Eastern Parkway, Bklyn.
 Wolff, S. L. ph Livingston
 Wolff, L. L. 1 l 12 E. 70
 Wolverson, A. W. nm t Whittier
 Womack, M. D. p 403 W. 115
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 Wood, E. p 527 W. 121
 Wood, H. 4 b 601 W. 110
 Wood, J. M., Jr. gr t 162 Cleveland, Bklyn.
 Wood, J. P. 1 s 462 Convent ave.
 Wood, M. C. gr t 348 W. 23
 Woodbury, W. B. ph Hartley
 Woodfield, A. G. gr t 24 Williamson ave., Elizabeth
 Woodhull, H. 3 b 501 W. 120
 Woodhull, M. 3 b 501 W. 120
 Woodman, S. P. gr t 478 W. 159
 Woodrow, H. H. ph Livingston
 Woodruff, J. E. 1 b 344 Gregory ave., Passaic
 Woods, M. M. 4 t 474 State, Bklyn.
 Woolsey, H. M. f a Hartley
 Woolston, H. B. pl 431 W. 121
 Worcester, J. N. 3 m Bloomfield, N. J.
 Wormser, I. M. 3 l 19 W. 91
 Worrall, H. D. 3 b 2014 Fifth ave.
 Worthington, A. F. f a Hartley
 Wright, C. H. 4 t 546 Riverside Drive
 Wright, E. H. ph Hartley
 Wright, H. D. 2 s Hartley
 Wright, H. H. p 59 and 10 ave.
 Wright, M. C. pl

Wright, R. C. 1 s 77 Mamil, Tarrytown
 Wright, W. R. 2 s 55 W. 10
 Wronker, B. M. 4 m 261 W. 127
 Wunderlich, E. P. 1 b Tarrytown
 Wuppermann, C. S. ph 604 W. 114
 Wurthmann, J. W. 2 m 1166 First ave.
 Wye, T. E. ph 435 W. 123
 Wyeth, F. S. 4 b 244 Lexington ave.
 Wylie, E. R. 4 t 417 W. 120
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 Ziegler, E. E. 1 b 18 Fairview Pl., Bklyn.
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 Zigrosser, C. D. 1 c 41 Crawford, Newark
 Zimmer, A. 1 b 1326 Madison ave.
 Zimmermann, H. B. 4 m 604 Tinton ave.
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 Zion, E. H. 3 l 120 W. 112
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